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OM protein - protein search, using sw model

Run On: July 27, 2005, 14:50:45 ; Search time 160 Seconds
(without alignments)
1030.830 Million cell updates/sec

Title:
Perfect score: 2200
Sequence: 1 MSIGITPRQQTTPLDPSA.....MTDVKHAYDKTQASTQHTL 424

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1741741 seqs, 388992284 residues

Total number of hits satisfying chosen parameters: 1741741

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA:*	
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query No.	Score	Match	Length	ID	Description
1	2200	100.0	424	9	US-09-835-684-9	Sequence 9, Appli
2	2200	100.0	424	9	US-09-880-371-9	Sequence 9, Appli
3	2200	100.0	424	9	US-09-879-248-14	Sequence 14, Appl
4	2200	100.0	424	14	US-10-010-390-9	Sequence 9, Appli
5	2200	100.0	424	15	US-10-441-736-14	Sequence 14, Appl
6	2200	100.0	424	16	US-10-847-142-9	Sequence 9, Appli
7	559	25.4	447	9	US-09-835-684-5	Sequence 5, Appli
8	559	25.4	447	9	US-09-880-371-5	Sequence 5, Appli
9	559	25.4	447	9	US-09-879-248-6	Sequence 6, Appli
10	559	25.4	447	14	US-10-010-390-5	Sequence 5, Appli
11	559	25.4	447	15	US-10-441-736-6	Sequence 6, Appli


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US-10-010-390-9
; Sequence 9, Application US/10010390
; Publication No. US20030104979A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Leon, Ernesto
; APPLICANT: Oviedo, Agustin
; TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED
; TITLE OF INVENTION: FROM ORNAMENTAL PLANTS
; FILE REFERENCE: 21829/111
; CURRENT APPLICATION NUMBER: US/10/010,390
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/248,169
; PRIOR FILING DATE: 2000-11-13
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
US-10-010-390-9

Query Match          100.0%; Score 2200; DB 14; Length 424;
Best Local Similarity 100.0%; Pred. No. 1.2e-138;
Matches 424; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      61  DSTVQNPQDASKPNDSSQNTAKLISALIMSLQLMTNSNKKQDTNQEPPDSQAPFQNNGG 120
DB      61  DSTVQNPQDASKPNDSSQNTAKLISALIMSLQLMTNSNKKQDTNQEPPDSQAPFQNNGG 120

QY      121 LGTPSADSGGGGTPTDATTGGGGGTTPSATGGGGGTPTATGGGGGGGGTPTATGGGGGGT 180
DB      121 LGTPSADSGGGGTPTDATTGGGGGTTPSATGGGGGTPTATGGGGGGGGTPTATGGGGGGT 180

QY      181 PTATGGGEGGVTPQITPOLANPNRTSGTSVSDTAGSTEAGKINVVKDTIKVGAGEVFD 240
DB      181 PTATGGGEGGVTPQITPOLANPNRTSGTSVSDTAGSTEAGKINVVKDTIKVGAGEVFD 240

QY      241 GHGATFTADKSMGNGDQGENQKPMFELAEGATIKNVNLGENEVDGHHVKAQAEVTIDN 300
DB      241 GHGATFTADKSMGNGDQGENQKPMFELAEGATIKNVNLGENEVDGHHVKAQAEVTIDN 300

QY      301 VHAQNVGEDLITVKGEGGAATVNLINKNSAKGADKVKQLNANTHLKIDNFKADDFGTM 360
DB      301 VHAQNVGEDLITVKGEGGAATVNLINKNSAKGADKVKQLNANTHLKIDNFKADDFGTM 360

QY      361 VRTNGKGQFDDMSIELNGIEANHGKALVKSDDDLKLATGNMTAMTDVKHAYDKTOASTQ 420
DB      361 VRTNGKGQFDDMSIELNGIEANHGKALVKSDDDLKLATGNMTAMTDVKHAYDKTOASTQ 420

QY      421 HTL 424
DB      421 HTL 424

RESULT 5
US-10-441-736-14
; Sequence 14, Application US/10441736
; Publication No. US20040016029A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Schading, Richard L.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
; TITLE OF INVENTION: RESISTANCE
; FILE REFERENCE: 21829/203 (EBC-003)
; CURRENT APPLICATION NUMBER: US/10/441,736
; CURRENT FILING DATE: 2003-05-20
; PRIOR APPLICATION NUMBER: 60/107,243
; PRIOR FILING DATE: 1998-11-05

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; PRIOR APPLICATION NUMBER: 09/431,614
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
US-10-441-736-14

Query Match      100.0%; Score 2200; DB 15; Length 424;
Best Local Similarity 100.0%; Pred. No. 1.2e-138;
Matches 424; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSIGITPRPOQTTPDLDFALSQKSPQPNTFGQNTQQAIDPSALLFGSDTQKDVNFGTP 60
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Qy 61 DSTVQNPQDASKPNDQSOSNIAKLISALIMSLLOMLTNSNKKQDTNQEOPDQAPFQNNGG 120
Db 61 DSTVQNPQDASKPNDQSOSNIAKLISALIMSLLOMLTNSNKKQDTNQEOPDQAPFQNNGG 120
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Qy 181 PTATGGEGGVTPQIITPOLANPNRTSGTGSVSDTAGSTEQAGKINVVKDTIKVGAGEVFD 240
Db 181 PTATGGEGGVTPQIITPOLANPNRTSGTGSVSDTAGSTEQAGKINVVKDTIKVGAGEVFD 240
Qy 241 GHGATTFADKSMGNQDQGENQKPMPELAGATLKNVNLGENEVDGIHVAKNAQEVTDN 300
Db 241 GHGATTFADKSMGNQDQGENQKPMPELAGATLKNVNLGENEVDGIHVAKNAQEVTDN 300
Qy 301 VHAQNVGEDLITVKGEGGAATVNLNKNSSAKGADKVVQLNANTHLKIDNFKADDFTGM 360
Db 301 VHAQNVGEDLITVKGEGGAATVNLNKNSSAKGADKVVQLNANTHLKIDNFKADDFTGM 360
Qy 361 VRTNGKQKQFDDMSIELNGIEANHGKFPALVKPSDDLKLTATGNIAMTDVKHAYDKTQASTQ 420
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Qy 421 HTL 424
Db 421 HTL 424

RESULT 6
US-10-847-142-9
; Sequence 9, Application US/10847142
; Publication No. US20040265442A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Qiu, Dewen
; APPLICANT: Remick, Dean
; TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE
; TITLE OF INVENTION: RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR
; TITLE OF INVENTION: DRSICATION
; FILE REFERENCE: 21829/197
; CURRENT APPLICATION NUMBER: US/10/847,142
; CURRENT FILING DATE: 2004-05-17
; PRIOR APPLICATION NUMBER: 60/198,359
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: 09/835,684
; PRIOR FILING DATE: 2001-04-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
US-10-847-142-9

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; PRIOR APPLICATION NUMBER: 09/431,614
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
US-10-441-736-14

Query Match      100.0%; Score 2200; DB 15; Length 424;
Best Local Similarity 100.0%; Pred. No. 1.2e-138;
Matches 424; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 241 GHGATTFADKSMGNQDQGENQKPMPELAGATLKNVNLGENEVDGIHVAKNAQEVTDN 300
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Qy 301 VHAQNVGEDLITVKGEGGAATVNLNKNSSAKGADKVVQLNANTHLKIDNFKADDFTGM 360
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Db 361 VRTNGKQKQFDDMSIELNGIEANHGKFPALVKPSDDLKLTATGNIAMTDVKHAYDKTQASTQ 420
Qy 421 HTL 424
Db 421 HTL 424

RESULT 6
US-10-847-142-9
; Sequence 9, Application US/10847142
; Publication No. US20040265442A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Qiu, Dewen
; APPLICANT: Remick, Dean
; TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE
; TITLE OF INVENTION: RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR
; TITLE OF INVENTION: DRSICATION
; FILE REFERENCE: 21829/197
; CURRENT APPLICATION NUMBER: US/10/847,142
; CURRENT FILING DATE: 2004-05-17
; PRIOR APPLICATION NUMBER: 60/198,359
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: 09/835,684
; PRIOR FILING DATE: 2001-04-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
US-10-847-142-9

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Query Match 100.0%; Score 2200; DB 16; Length 424;
Best Local Similarity 100.0%; Pred. No. 1.2e-138;
Matches 424; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 DSTVQNPQDASKPNDQSNTAKLISALIMSLLOMLTNSKKQDTPNOBQPSQAPFQNGG 120
Db 61 DSTVQNPQDASKPNDQSNTAKLISALIMSLLOMLTNSKKQDTPNOBQPSQAPFQNGG 120

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Db 121 LGTPSADSGGGTDPATCGGGDTPSATCGGGDTPATCGGGGGGTPTATCGGSGGT 180

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Db 181 PTATGCGGEGVTPQITPOLANPNRTSGTGSVSDTAGSTEQAGKINNVKDTIKVAGAEVFD 240

Qy 241 GHGATFTADKSMGNGDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVAKNAQEVITDN 300
Db 241 GHGATFTADKSMGNGDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVAKNAQEVITDN 300

Qy 301 VHAQNVGEDLITVKGEGAAVTNLIKNSSAKGADDKVVQLNANTHLKIDNFKADDFGTG 360
Db 301 VHAQNVGEDLITVKGEGAAVTNLIKNSSAKGADDKVVQLNANTHLKIDNFKADDFGTG 360

Qy 361 VRTNGGKQFDDMSIELNGIEANHGKFAVLKSDSDLLKATGNIAMTDVKHAY 420
Db 361 VRTNGGKQFDDMSIELNGIEANHGKFAVLKSDSDLLKATGNIAMTDVKHAY 420

Qy 421 HTEL 424
Db 421 HTEL 424

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US-09-835-684-5
; Sequence 5, Application US/09835684
; Patent No. US20020019337A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Qiu, Dewen
; APPLICANT: Renick, Dean
; TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE
; TITLE OF INVENTION: RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR
; TITLE OF INVENTION: DESICCATION
; FILE REFERENCE: 21829/71
; CURRENT APPLICATION NUMBER: US/09/835,684
; CURRENT FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/198,359
; PRIOR FILING DATE: 2000-04-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Erwinia amylovora
US-09-835-684-5

Query Match 25.4%; Score 559; DB 9; Length 447;
Best Local Similarity 36.1%; Pred. No. 3.5e-29;
Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

Qy 72 KPNDQS--NTAKLISALIMSLLOMLTNSKKQDTPNOBQPSQAPFQNGGLG----- 122
Db 37 QPIDRTIEQMAQLLAELKSL-----LSPQSGNAATGAGNDQTTGVGNAGGLNGRKGTAG 93

Qy 123 -TPSADS-----GGGG-----TPDATGGGG-GDTP-----SATGGG 151
Db 94 TTPQSDSQNMLSEMGNGNGLDQAITPDGQGGQIGDNPFLKAMUKLIARMMDGSDQFGQP 153

Qy 152 GGDTPATGGGGGGGTPTATGGG---SGCTPTATGGGGGGVTPQITPOL-----A 200
Db 154 GTGNNSASGTSSSGSGSPFNDLGGKAPSGNSPSGNSPVSTSPSTPTSPSPDPPS 213

Qy 201 NPNRTSG-----TGSVSDTAGS---TEQAGKINNVKDTIKVAGAEVFDGHGAT 245
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Qy 246 FTADKSMGNGDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVAKNAQEVITDNVHAQN 305
Db 274 FTAGSELGSGGQSENQKPLFILEDAGSLKNVTMGDDGADGIHLG---DAKIDNLHVTN 329

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Db 330 VGEDAITVKNPNSAGKSHVEITNSSFHASDKILQNLNADTNLSVDNVKADDFGTGVRTNG 389

Qy 366 GKQFDDMSIELNGIEANHGKFAVLKSDSDLLKATGNIAMTDVKHAY 412

Qy 152 GGDTPATGGGGGGGTPTATGGG---SGCTPTATGGGGGGVTPQITPOL-----A 200
Db 154 GTGNNSASGTSSSGSGSPFNDLGGKAPSGNSPSGNSPVSTSPSTPTSPSPDPPS 213

Qy 201 NPNRTSG-----TGSVSDTAGS---TEQAGKINNVKDTIKVAGAEVFDGHGAT 245
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Qy 246 FTADKSMGNGDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVAKNAQEVITDNVHAQN 305
Db 274 FTAGSELGSGGQSENQKPLFILEDAGSLKNVTMGDDGADGIHLG---DAKIDNLHVTN 329

Qy 306 VGEDLITVKGEGAAVTNLIKNSSAKGADDKVVQLNANTHLKIDNFKADDFGTGVRTNG 365
Db 330 VGEDAITVKNPNSAGKSHVEITNSSFHASDKILQNLNADTNLSVDNVKADDFGTGVRTNG 389

Qy 366 GKQFDDMSIELNGIEANHGKFAVLKSDSDLLKATGNIAMTDVKHAY 412
Db 390 GQQ-GNWDNLNLSHISAEDGKFSFKVSDSEGLNVNTSDISLGDVENHY 435

RESULT 8
US-09-880-371-5
; Sequence 5, Application US/09880371
; Patent No. US20020059658A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: DeRoche, Jay
; TITLE OF INVENTION: METHODS OF IMPROVING THE EFFECTIVENESS OF TRANSGENIC
; TITLE OF INVENTION: PLANTS
; FILE REFERENCE: 21829/91
; CURRENT APPLICATION NUMBER: US/09/880,371
; CURRENT FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: 60/211,585
; PRIOR FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Erwinia amylovora
US-09-880-371-5

Query Match 25.4%; Score 559; DB 9; Length 447;
Best Local Similarity 36.1%; Pred. No. 3.5e-29;
Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

Qy 72 KPNDQS--NTAKLISALIMSLLOMLTNSKKQDTPNOBQPSQAPFQNGGLG----- 122
Db 37 QPIDRTIEQMAQLLAELKSL-----LSPQSGNAATGAGNDQTTGVGNAGGLNGRKGTAG 93

Qy 123 -TPSADS-----GGGG-----TPDATGGGG-GDTP-----SATGGG 151
Db 94 TTPQSDSQNMLSEMGNGNGLDQAITPDGQGGQIGDNPFLKAMUKLIARMMDGSDQFGQP 153

Qy 152 GGDTPATGGGGGGGTPTATGGG---SGCTPTATGGGGGGVTPQITPOL-----A 200
Db 154 GTGNNSASGTSSSGSGSPFNDLGGKAPSGNSPSGNSPVSTSPSTPTSPSPDPPS 213

Qy 201 NPNRTSG-----TGSVSDTAGS---TEQAGKINNVKDTIKVAGAEVFDGHGAT 245
Db 214 SPTKAAGGSTPTVTHDPPVGSAGIGAGNSVAFTSAGANQTVLHDTITVKAGQVDFGKGQT 273

Qy 246 FTADKSMGNGDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVAKNAQEVITDNVHAQN 305
Db 274 FTAGSELGSGGQSENQKPLFILEDAGSLKNVTMGDDGADGIHLG---DAKIDNLHVTN 329

Qy 306 VGEDLITVKGEGAAVTNLIKNSSAKGADDKVVQLNANTHLKIDNFKADDFGTGVRTNG 365
Db 330 VGEDAITVKNPNSAGKSHVEITNSSFHASDKILQNLNADTNLSVDNVKADDFGTGVRTNG 389

Qy 366 GKQFDDMSIELNGIEANHGKFAVLKSDSDLLKATGNIAMTDVKHAY 412

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Db 390 GQQ-GNWDNLNLSHISAEDGKFSVKSDSEGLNVNTSDISLGDVENHY 435

RESULT 9
US-09-879-248-6
; Sequence 6, Application US/09879248
; Patent No. US20030104979A1
; GENERAL INFORMATION:
; APPLICANT: Fan, Hao
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITING DOMAINS AND USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 21829/81
; CURRENT APPLICATION NUMBER: US/09/879,248
; CURRENT FILING DATE: 2001-06-12
; PRIOR APPLICATION NUMBER: 60/212,211
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Erwinia amylovora
US-09-879-248-6

Query Match 25.4%; Score 559; DB 9; Length 447;
Best Local Similarity 36.1%; Pred. No. 3.5e-29;
Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

QY 72 KPNDQS--NIAKLISALIMSLQMLTNSNKQDTNQEQDSDQAPFQNNGLG-----122
DB 37 QPIDRTIEQMAQLLAELKSL---LSPQSGNAATGAGGNDQTTGVGNAGLNGRKGATG 93

QY 123 -TPSADS-----GGGG-----TPDATGGG-GDTP-----SATGGG 151
DB 94 TTPQSDSQNMLSEMNGNGLDQAITPDGQGGQIGDNPLLKAMLKLIARMMDGSDQFGOP 153

QY 152 GGDTPATGCGGSGGGTPTATGGG---SGTPTATGCGEGVTPQITPOL-----A 200
DB 154 GTGNNSASGTSSTSGGSPFNDLSGGKAPSGNSPNSPVSTFSPSTPTSPSLDPPS 213

QY 201 NPNRTSG-----TGSVSDTAGS-----TEQAGKINVVKDTIKVAGVFDGHGAT 245
DB 214 SPTKAAGGSTPTVDPHPDVGSGAGIGAGNSVAFTSAGANTVLHDTITVKAGQVFDGKGT 273

QY 246 FTADKSMGNDQGENQKPMFELAEATLKNVNLGENEVDGIHVAKNAQEVITDINVHAQN 305
DB 274 FTAGSELGDDGQSGENQKPLFILEDGASLKNVTMGDDGADGIHLG---DAKIDNLHVTN 329

QY 306 VGEDLITVKGEGGAATNLTNKNSSAKGADDKVQVQLNANTHLKIDNFKADDFGTWVRNG 365
DB 330 VGEDAITVKPNSAGKSHVEITNSSFEHASDKILQLNADTNLSVDNVKAKDFGTFTVRNG 389

QY 366 GKQFDDMSIELNGIEANHGKFPALVKSDSDDLKLATGNIAMTDVKHAY 412
DB 390 GQQ-GNWDNLNLSHISAEDGKFSVKSDSEGLNVNTSDISLGDVENHY 435

RESULT 10
US-10-010-390-5
; Sequence 5, Application US/10010390
; Publication No. US20030104979A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Leon, Ernesto
; TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED
; TITLE OF INVENTION: FROM ORNAMENTAL PLANTS
; FILE REFERENCE: 21829/111
; CURRENT APPLICATION NUMBER: US/10/010,390
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/248,169
; PRIOR FILING DATE: 2000-11-13
```

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; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Erwinia amylovora
US-10-010-390-5

Query Match 25.4%; Score 559; DB 14; Length 447;
Best Local Similarity 36.1%; Pred. No. 3.5e-29;
Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

QY 72 KPNDQS--NIAKLISALIMSLQMLTNSNKQDTNQEQDSDQAPFQNNGLG-----122
DB 37 QPIDRTIEQMAQLLAELKSL---LSPQSGNAATGAGGNDQTTGVGNAGLNGRKGATG 93

QY 123 -TPSADS-----GGGG-----TPDATGGG-GDTP-----SATGGG 151
DB 94 TTPQSDSQNMLSEMNGNGLDQAITPDGQGGQIGDNPLLKAMLKLIARMMDGSDQFGOP 153

QY 152 GGDTPATGCGGSGGGTPTATGGG---SGTPTATGCGEGVTPQITPOL-----A 200
DB 154 GTGNNSASGTSSTSGGSPFNDLSGGKAPSGNSPNSPVSTFSPSTPTSPSLDPPS 213

QY 201 NPNRTSG-----TGSVSDTAGS-----TEQAGKINVVKDTIKVAGVFDGHGAT 245
DB 214 SPTKAAGGSTPTVDPHPDVGSGAGIGAGNSVAFTSAGANTVLHDTITVKAGQVFDGKGT 273

QY 246 FTADKSMGNDQGENQKPMFELAEATLKNVNLGENEVDGIHVAKNAQEVITDINVHAQN 305
DB 274 FTAGSELGDDGQSGENQKPLFILEDGASLKNVTMGDDGADGIHLG---DAKIDNLHVTN 329

QY 306 VGEDLITVKGEGGAATNLTNKNSSAKGADDKVQVQLNANTHLKIDNFKADDFGTWVRNG 365
DB 330 VGEDAITVKPNSAGKSHVEITNSSFEHASDKILQLNADTNLSVDNVKAKDFGTFTVRNG 389

QY 366 GKQFDDMSIELNGIEANHGKFPALVKSDSDDLKLATGNIAMTDVKHAY 412
DB 390 GQQ-GNWDNLNLSHISAEDGKFSVKSDSEGLNVNTSDISLGDVENHY 435

RESULT 11
US-10-441-736-6
; Sequence 6, Application US/10441736
; Publication No. US20040016029A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Schading, Richard L.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
; TITLE OF INVENTION: RESISTANCE
; FILE REFERENCE: 21829/203 (EBC-003)
; CURRENT APPLICATION NUMBER: US/10/441,736
; CURRENT FILING DATE: 2003-05-20
; PRIOR APPLICATION NUMBER: 60/107,243
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 09/431,614
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Erwinia amylovora
US-10-441-736-6

Query Match 25.4%; Score 559; DB 15; Length 447;
Best Local Similarity 36.1%; Pred. No. 3.5e-29;
Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

QY 72 KPNDQS--NIAKLISALIMSLQMLTNSNKQDTNQEQDSDQAPFQNNGLG-----122
DB 37 QPIDRTIEQMAQLLAELKSL---LSPQSGNAATGAGGNDQTTGVGNAGLNGRKGATG 93
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Qy 123 -TPSADS-----GGGG-----TPDATGGGG-GDTP-----SATGGG 151
Db 94 TTPQSDSQNMLSEMNGNGLDQAITPDGQGGQIGDNPLLKAMLKLIARMMDGQSDQFGQP 153
Qy 152 GGDTPATGCGGSGGGTPTATGG--SSGTPTATGCGGGVTPQITPOL-----A 200
Db 154 GTGNNSASSGSSGSGSPNDLSGGKAPSGNSPGNSYSPVSTFSPSTPTPTSPPLDPPS 213
Qy 201 NPNRTSG-----TGSVSDTAGS-----TEQAGKINVVKDTIKVAGGEVDFGHGAT 245
Db 214 SPTRKAAGSTPVTDPHPDVGSAIGAGNSVAFSTAGANQTVLHDTITVKAGQVDFGKGQT 273
Qy 246 FTADKSMNGDQGENOKPMFELAEAGATLKNVNLGENEVDGIHVAKNAQOEVTIDNVHAQN 305
Db 274 FTAGSELGDDGQSENGKPLFILEDGASLKNVTMGDDGADGIHLG-----DAKIDNLHVTN 329
Qy 306 VGEDLITVKGEGGAATVNLNKNSSAKGADDDKVVQLNANTHLKIDNFKADDFGTMVRTNG 365
Db 330 VGEDAITVKNPSAGKKSHEVTNSSFHASDKILQNLADTNLSVDNVKAKDFGTFVRTNG 389
Qy 366 GKQFDDMSIELNGIEANHGKFPALVKSDSDDLKLATGNIAMTDVKHAY 412
Db 390 GQO-GNWDNLNLSHISAEDGKFSFKVKSDEGLNVTNDSISLGDVENHY 435

RESULT 12

US-10-847-142-5
; Sequence 5, Application US/10847142
; Publication No. US20040265442A1

GENERAL INFORMATION:

; APPLICANT: Wei, Zhong-Min
; APPLICANT: Qiu, Dewen
; APPLICANT: Remick, Dean
; TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE
; TITLE OF INVENTION: RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR
; TITLE OF INVENTION: DESSICATION
; FILE REFERENCE: 21829/197
; CURRENT APPLICATION NUMBER: US/10/847,142
; CURRENT FILING DATE: 2004-05-17
; PRIOR APPLICATION NUMBER: 60/198,359
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: 09/835,684
; PRIOR FILING DATE: 2001-04-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5

LENGTH: 447

TYPE: PRT

ORGANISM: Erwinia amylovora

US-10-847-142-5

Query Match 25.4%; Score 559; DB 16; Length 447;
Best Local Similarity 36.1%; Pred. No. 3.5e-29;
Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

Qy 72 KENDSQS--NIAKLIALIMSLQMLTNSKKQDNTQEQPDSPQAPFQNGGLG-----122
Db 37 QPIDRQTIEQMAQLLAELKSL---LSQSGNAAATGAGGNDOTTVGNAGGLNGRKGATG 93
Qy 123 -TPSADS-----GGGG-----TPDATGGGG-GDTP-----SATGGG 151
Db 94 TTPQSDSQNMLSEMNGNGLDQAITPDGQGGQIGDNPLLKAMLKLIARMMDGQSDQFGQP 153
Qy 152 GGDTPATGCGGSGGGTPTATGG--SSGTPTATGCGGGVTPQITPOL-----A 200
Db 154 GTGNNSASSGSSGSGSPNDLSGGKAPSGNSPGNSYSPVSTFSPSTPTPTSPPLDPPS 213
Qy 201 NPNRTSG-----TGSVSDTAGS-----TEQAGKINVVKDTIKVAGGEVDFGHGAT 245
Db 214 SPTRKAAGSTPVTDPHPDVGSAIGAGNSVAFSTAGANQTVLHDTITVKAGQVDFGKGQT 273
Qy 246 FTADKSMNGDQGENOKPMFELAEAGATLKNVNLGENEVDGIHVAKNAQOEVTIDNVHAQN 305

Db 274 FTAGSELGDDGQSENGKPLFILEDGASLKNVTMGDDGADGIHLG-----DAKIDNLHVTN 329
Qy 306 VGEDLITVKGEGGAATVNLNKNSSAKGADDDKVVQLNANTHLKIDNFKADDFGTMVRTNG 365
Db 330 VGEDAITVKNPSAGKKSHEVTNSSFHASDKILQNLADTNLSVDNVKAKDFGTFVRTNG 389
Qy 366 GKQFDDMSIELNGIEANHGKFPALVKSDSDDLKLATGNIAMTDVKHAY 412
Db 390 GQO-GNWDNLNLSHISAEDGKFSFKVKSDEGLNVTNDSISLGDVENHY 435

RESULT 13

US-10-355-956-2

; Sequence 2, Application US/10355956
; Publication No. US20040006789A1

GENERAL INFORMATION:

; APPLICANT: Collmer, Alan
; APPLICANT: Ramos, Adela
; TITLE OF INVENTION: PSEUDOMONAS SYRINGAE HARPINS, HopPtop AND HopPmaHptc,
; TITLE OF INVENTION: AND THEIR USES
; FILE REFERENCE: 19603/4160
; CURRENT APPLICATION NUMBER: US/10/355,956
; CURRENT FILING DATE: 2003-01-30
; PRIOR APPLICATION NUMBER: 60/356,408
; PRIOR FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: 60/380,185
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2

LENGTH: 324

TYPE: PRT

ORGANISM: Pseudomonas syringae

US-10-355-956-2

Query Match

12.9%; Score 283.5; DB 15; Length 324;
Best Local Similarity 28.1%; Pred. No. 5.7e-11;
Matches 103; Conservative 36; Mismatches 118; Indels 109; Gaps 16;

Qy 1 MSIGITPRPOQTTPPLDPSALSGKSPQNTFGEQNTQOAIIDPSALLFGSDTKQDVNFGTP 60
Db 1 MTMGVSPIRNSNSLPIDFSSLSAKSGGHNGLG-SGDNSTIDPSTLLFCNOGQQTQVNFAPP 59
Qy 61 DSTVONQDASKNDOSNIKLIISALIMSLQMLTNSKKQDNTQEQPDSPQAPFQNGG 120
Db 60 NST---DSSTSGVNAASGNTASGLVEQIMSLKOL-----MOMLMQNNNA 101
Qy 121 LGTPSADSG--GGTTPDATGGGGDTPSATGGGGGDTPTATGGGGGGGGTPTATGGGG 178
Db 102 SGNPQTDSTTPGVSGNSVSGGTGS--SLAGSDGDETSVGNGGLGDAGS--TPTTSAAD 159
Qy 179 GTPTATG--GGEGGV--TPQITPOLANPNRTSGTGSVSDTAGST-----EONGK 223
Db 160 GVPSDTSLTSGGLHLPOOLEQY-----RGDMDAAKATGVPSPVIAQIWAESRGQ 211
Qy 224 INVVKDIT--KVAG-------EVPDGH-----GATFTADKSMGN 254
Db 212 LNAATTNVNGKADAGLMQVNAADTFKSLQQONPGLGNDVNDSHNTNINAGADYILRDQKEF 271
Qy 255 GDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVAKNAQOEVTIDNVHAQNVGEDLITVK 314
Db 272 GDM-----GAALRAYNSGPKVN---KA-----DLSDTG 297

US-10-355-956-2

RESULT 14

US-10-504-048-2

; Sequence 2, Application US/10504048
; Publication No. US20050120409A1

GENERAL INFORMATION:

APPLICANT: Collmer, Alan
APPLICANT: Ramos, Adela
TITLE OF INVENTION: PSEUDOMONAS SYRINGAE HARPINS, HopPop AND HopPmaHptco,
FILE REFERENCE: 19603/4162
CURRENT FILING DATE: 2004-08-09
PRIORITY APPLICATION NUMBER: 60/356,408
PRIORITY FILING DATE: 2002-02-12
PRIORITY APPLICATION NUMBER: 60/380,185
PRIORITY FILING DATE: 2002-05-10
PRIORITY APPLICATION NUMBER: PCT/US03/03165
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 324
TYPE: PRT
ORGANISM: Pseudomonas syringae
US-10-504-048-2

Query Match 12.9%; Score 283.5; DB 17; Length 324;
Best Local Similarity 28.1%; Pred. No. 5.7e-11;
Matches 103; Conservative 36; Mismatches 118; Indels 109; Gaps 16;

QY 1 MSIGITPRQOITTPPLDPSALSCKSPQNTFGEQNTQQAIDPSALLFGSDTQKDVNFGTP 60
DB 1 MTWGVSPIRNSNSLPIDFSLSAKSGHNLG-SGDNSTIDPSTLLFGNGQGTQVNFAPP 59
QY 61 DSTVQNPQADKPNDSQNSIAKLISALIMSLQMLTNSNKKQDNTQEQPDSQAPFONNGG 120
DB 60 NST---DSSTSGVNAASGNTASGLVEQIMSLKQL-----MQMLQNNNA 101
QY 121 LGTPSADSG--GGTTPDATGGGGGDPSPATGGGGGTPATGGGGGGGTPATGGGGG 178
DB 102 SGNPQDTSSTPGVSGNSVSGGTGS-SLAGSDGDETSGVNGGGLDAGS-TPITSAAD 159
QY 179 GTPATG-GEQGV-TPQITPOLANPNRTSGTSVSDTAGST-----EQAGK 223
DB 160 GVPSDTSLTSGSGLHLPQOLEQY-----RGDINDAAKATGVPSPVIAGQIAESRG 211
QY 224 INVVKDTI--KVGAG-----EVEDGH-----GATFTADKSMGN 254
DB 212 LNAATTNVNGKADAGLMQVNAADTFKSLQQNPCLLNDVNDSHNTMAGALYLRDQKEF 271
QY 255 GDOENQKPMFELAEAGATLKNVNLGENEVDGIHVKAQNAQEVITIDNVHAQNVGEDLITYK 314
DB 272 GDM-----GAALRAYNSGDPKVN---KA-----DLSDTG 297
QY 315 GEGGA 320
DB 298 GVGGS 303

RESULT 15

US-10-156-761-13910
Sequence 13910, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIORITY APPLICATION NUMBER: JP 2001-204089
PRIORITY FILING DATE: 2001-05-30
PRIORITY APPLICATION NUMBER: JP 2001-272697

PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 13910
LENGTH: 276
TYPE: PRT
ORGANISM: Streptomyces avermitilis
US-10-156-761-13910

Query Match 10.3%; Score 227.5; DB 14; Length 276;
Best Local Similarity 33.5%; Pred. No. 2.6e-07;
Matches 66; Conservative 32; Mismatches 84; Indels 15; Gaps 6;

QY 205 TSG---TGSVSDTAG---STEQAGKINNVKDTIKVGCAGEVFDCHGATFTADKSMGNGDQG 258
DB 31 TAGALVTTSLSSAGAATSWPEATGSKAVSSTIEVSG--TYDGKLLKFKSGSGDLGTADQS 88
QY 259 ENQKPMFELAEAGATLKNVNLGENEVDGIHVKAQNAQEVITIDNVHAQNVGEDLITVKEGG 318
DB 89 EDQGPLFELEDGAVLKNVIIGTPAADGVHCLG-----SCTLQNVWLDVGEDAASFKSKSS 144
QY 319 AAVTNLNLINIKSSAKGADKVKVQLNANTHLKIDNFKADDFGTMVYRTNGG-KQFDDMSIELN 377
DB 145 SA--TVKVIIGGAKSASDKVLQFNAGAGTLTVTGFOVENFGKLVRSQCNCKTQYKRTVWLS 202
QY 378 GIEAHGKFAIVKSDSD 394
DB 203 DIDATAPGKALVGINSN 219

Search completed: July 27, 2005, 15:06:15
Job time : 162 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 27, 2005, 14:40:58 ; Search time 43 Seconds
(without alignments)
736.074 Million cell updates/sec

Title: US-09-597-513-2

Perfect score: 2200

Sequence: 1 MSIGTPRQQTTPLDPSA.....MTDVKYDKTQASTQHTL 424

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/prodata/1/iaa/5A COMB pep.*
- 2: /cgn2_6/prodata/1/iaa/5B COMB pep.*
- 3: /cgn2_6/prodata/1/iaa/6A COMB pep.*
- 4: /cgn2_6/prodata/1/iaa/6B COMB pep.*
- 5: /cgn2_6/prodata/1/iaa/PCUTS COMB pep.*
- 6: /cgn2_6/prodata/1/iaa/backfiles1 pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2200	100.0	424	3	US-09-120-817-2
2	2200	100.0	424	4	US-09-431-614-14
3	559	25.4	447	3	US-09-120-927-2
4	559	25.4	447	4	US-09-431-614-6
5	318	14.5	197	3	US-09-402-668-2
6	294.5	13.4	221	3	US-09-198-956-4
7	294.5	13.4	221	4	US-09-670-141-4
8	222	10.1	878	4	US-09-540-236-3401
9	191.5	8.7	526	4	US-09-538-092-1080
10	179.5	8.2	941	3	US-09-336-447A-9
11	179.5	8.2	941	4	US-09-952-267B-9
12	178	8.1	857	4	US-09-902-540-12312
13	178	8.1	867	4	US-09-540-236-2676
14	177.5	8.1	2870	4	US-09-479-467A-15
15	177.5	8.1	3178	4	US-09-479-467A-4
16	174.5	7.9	444	4	US-09-902-540-12378
17	171.5	7.8	637	4	US-09-248-796A-19134
18	171.5	7.8	892	3	US-09-336-447A-5
19	171.5	7.8	892	4	US-09-952-267B-5
20	169.5	7.7	556	4	US-09-248-796A-22338
21	169	7.7	201	3	US-09-052-995-1
22	169	7.7	201	3	US-09-053-003-40
23	169	7.7	201	4	US-09-054-281-22
24	169	7.7	201	4	US-09-478-948-6
25	169	7.7	201	4	US-09-818-094-40
26	169	7.7	201	4	US-09-754-947-5
27	169	7.7	269	1	US-08-452-531-4

28	169	7.7	269	1	US-08-460-746A-4	Sequence 4, Appli
29	169	7.7	269	2	US-08-460-553-4	Sequence 4, Appli
30	169	7.7	269	3	US-08-460-066-4	Sequence 4, Appli
31	168.5	7.7	2504	4	US-09-328-352-5821	Sequence 5821, Ap
32	168	7.6	326	4	US-09-270-767-43241	Sequence 43241, A
33	166.5	7.6	464	4	US-09-252-991A-24883	Sequence 24883, A
34	163.5	7.4	344	1	US-08-891-254-7	Sequence 7, Appli
35	163.5	7.4	344	2	US-08-819-539-7	Sequence 7, Appli
36	163.5	7.4	344	2	US-09-030-270A-7	Sequence 7, Appli
37	163.5	7.4	344	3	US-08-984-207-7	Sequence 7, Appli
38	163.5	7.4	344	3	US-09-013-587-7	Sequence 7, Appli
39	163.5	7.4	344	4	US-09-086-118-27	Sequence 27, Appli
40	163.5	7.4	344	4	US-09-431-614-15	Sequence 15, Appli
41	163.5	7.4	344	5	PCT-US96-08819-7	Sequence 7, Appli
42	162	7.4	571	3	US-09-134-001C-3865	Sequence 3865, Ap
43	161.5	7.3	100	4	US-09-411-067C-4	Sequence 4, Appli
44	161.5	7.3	462	4	US-09-919-039-324	Sequence 324, App
45	160.5	7.3	831	3	US-09-336-447A-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-120-817-2
; Sequence 2, Application US/09120817
; Patent No. 6172184
; GENERAL INFORMATION:
; APPLICANT: Collmer, Alan
; APPLICANT: Charkowski, Amy
; APPLICANT: Alfano, James R.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM
; TITLE OF INVENTION: PSEUDOMONAS SYRINGAE AND ITS USE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
; STREET: P.O. Box 1051, Clinton Square
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/120,817
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/055,107
; FILING DATE: 06-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE/DOCKET NUMBER: 19603/1741
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716) 263-1304
; TELEFAX: (716) 263-1600
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 424 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-120-817-2

Query Match 100.0%; Score 2200; DB 3; Length 424;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 424; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

cleansed
and then

QY 1 MSIGITPRPQQTTPDLSALSGKSPQNTFGEQNTQQAIDPSALLFGSDTKQVNFCTP 60
DB 1 MSIGITPRPQQTTPDLSALSGKSPQNTFGEQNTQQAIDPSALLFGSDTKQVNFCTP 60
QY 61 DSTVQNPQDASKPNDQSQNIKLSALIMSLLOMLTNSKKQDNTNOEQPDSQAPFQNNGG 120
DB 61 DSTVQNPQDASKPNDQSQNIKLSALIMSLLOMLTNSKKQDNTNOEQPDSQAPFQNNGG 120
QY 121 LGTPSADSGGGTTPDATGGGGGDTPSATGGGGGDTPTATGGGGGGGTPTATGGSGGT 180
DB 121 LGTPSADSGGGTTPDATGGGGGDTPSATGGGGGDTPTATGGGGGGGTPTATGGSGGT 180
QY 181 PTATGGGGGGTTPQITPOLANPNRTSGTSGVSDTAGSTEQAGKINNVKDTIKVGAAGEVFD 240
DB 181 PTATGGGGGGTTPQITPOLANPNRTSGTSGVSDTAGSTEQAGKINNVKDTIKVGAAGEVFD 240
QY 241 GHGATFTADKSMNGDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVKAQNAQEVITDN 300
DB 241 GHGATFTADKSMNGDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVKAQNAQEVITDN 300
QY 301 VHAQNVGEDLITVKGEGGAATVNLNIKNSSAKGADDKVVQLNANTHLKIDNFKADDFGTM 360
DB 301 VHAQNVGEDLITVKGEGGAATVNLNIKNSSAKGADDKVVQLNANTHLKIDNFKADDFGTM 360
QY 361 VRTNGGKQFDDMSIELNGIEANHGKFPALVKSDSDLLKATGNIAMTDVKHAYDKTQASTQ 420
DB 361 VRTNGGKQFDDMSIELNGIEANHGKFPALVKSDSDLLKATGNIAMTDVKHAYDKTQASTQ 420
QY 421 HTEL 424
DB 421 HTEL 424

RESULT 2

US-09-431-614-14
; Sequence 14, Application US/09431614
; Patent No. 6624139
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Schading, Richard L.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
; TITLE OF INVENTION: RESISTANCE
; FILE REFERENCE: 21829/41 (EBC-003)
; CURRENT APPLICATION NUMBER: US/09/431,614
; CURRENT FILING DATE: 1999-11-02
; EARLIER APPLICATION NUMBER: 60/107,243
; EARLIER FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 14
; LENGTH: 424
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
US-09-431-614-14

Query Match 100.0%; Score 2200; DB 4; Length 424;
Best Local Similarity 100.0%; Pred. No. 1e-169;
Matches 424; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSIGITPRPQQTTPDLSALSGKSPQNTFGEQNTQQAIDPSALLFGSDTKQVNFCTP 60
DB 1 MSIGITPRPQQTTPDLSALSGKSPQNTFGEQNTQQAIDPSALLFGSDTKQVNFCTP 60
QY 61 DSTVQNPQDASKPNDQSQNIKLSALIMSLLOMLTNSKKQDNTNOEQPDSQAPFQNNGG 120
DB 61 DSTVQNPQDASKPNDQSQNIKLSALIMSLLOMLTNSKKQDNTNOEQPDSQAPFQNNGG 120
QY 121 LGTPSADSGGGTTPDATGGGGGDTPSATGGGGGDTPTATGGGGGGGTPTATGGSGGT 180
DB 121 LGTPSADSGGGTTPDATGGGGGDTPSATGGGGGDTPTATGGGGGGGTPTATGGSGGT 180
QY 181 PTATGGGGGGTTPQITPOLANPNRTSGTSGVSDTAGSTEQAGKINNVKDTIKVGAAGEVFD 240

DB 181 PTATGGGGGGTTPQITPOLANPNRTSGTSGVSDTAGSTEQAGKINNVKDTIKVGAAGEVFD 240
QY 241 GHGATFTADKSMNGDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVKAQNAQEVITDN 300
DB 241 GHGATFTADKSMNGDQGENQKPMFELAEAGATLKNVNLGENEVDGIHVKAQNAQEVITDN 300
QY 301 VHAQNVGEDLITVKGEGGAATVNLNIKNSSAKGADDKVVQLNANTHLKIDNFKADDFGTM 360
DB 301 VHAQNVGEDLITVKGEGGAATVNLNIKNSSAKGADDKVVQLNANTHLKIDNFKADDFGTM 360
QY 361 VRTNGGKQFDDMSIELNGIEANHGKFPALVKSDSDLLKATGNIAMTDVKHAYDKTQASTQ 420
DB 361 VRTNGGKQFDDMSIELNGIEANHGKFPALVKSDSDLLKATGNIAMTDVKHAYDKTQASTQ 420
QY 421 HTEL 424
DB 421 HTEL 424

RESULT 3

US-09-120-927-2
; Sequence 2, Application US/09120927
; Patent No. 6262018
; GENERAL INFORMATION:
; APPLICANT: Kim, Jihyun Francis
; APPLICANT: Beer, Steven V.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM
; TITLE OF INVENTION: ERWINIA AMYLOVORA AND ITS USE
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
; STREET: P.O. Box 1051, Clinton Square
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/120,927
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/055,108
; FILING DATE: 06-AUG-1977
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE/DOCKET NUMBER: 19603/1581
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716) 263-1304
; TELEFAX: (716) 263-1600
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 447 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-120-927-2

Query Match 25.4%; Score 559; DB 3; Length 447;
Best Local Similarity 36.1%; Pred. No. 4.1e-37;
Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;
QY 72 KPNDQS--NTAKLISALIMSLLOMLTNSKNKQDNTNOEQPDSQAPFQNNGGIG----- 122
DB 37 QPIDRQTEIQWQALLAELLKSL---LSFQSGNAATGAGGNDQTTGVGNAGGLNGRKGTAG 93
QY 123 -TPSADS-----GGGG-----TPDATGGG-GDTP-----SATGGG 151

Db 94 TTPOSQSNMSENGNGLDQAITPDGCGGQIGDNPELLKMLKLIARMWDGQSDQGP 153
Qy 152 GGDPTATGGGGGGGTPATGGG---SGGTATGCGGGVTPQITPOL-----A 200
Db 154 GTGNNSASSGTSSTSGGSPFNLDLGGKAPSGNSPGNSPVSTFSPSTPTSPPLDPPS 213
Qy 201 NPNRTSG-----TGSVSDTAGS---TEQAGKINVVKDTIKVAGVDFDGHGAT 245
Db 214 SPTKAAGGTPVTDHPDPVGSAGIGAGNSVAFSTAGANQTVLHDTITVKAGQVDFGKGOT 273
Qy 246 FTADKSMGNGDQGENOKPMPELAGATLKNVNLGENEVDGIHVAKNAQEVTTIDNVHAQN 305
Db 274 FTAGSELGCGGQSENQKPLFILEDGASLKNVTMGDDGADGHLVG-----DAKIDNLHVTN 329
Qy 306 VGEDLIIVKGGGAATVNLNINIKSSAKGADDDKVVQLNANTHLKIDNFKADDFTGMVRTNG 365
Db 330 VGEDAITVKPNSAGKSHVEITNSFEHASDKILQNLNADTNLSVDNVKAKDFTGTVRTNG 389
Qy 366 GKQFDDMSIELNGIEANHGKFPALVKSDDDLKLATNGIAMTDVKHAY 412
Db 390 GQQ-GNWDNLNLSHISAEDGKFSFVKSDSEGLNVTNTSDISLGDVENHY 435
RESULT 4
US-09-431-614-6
; Sequence 6, Application US/09431614
; Patent No. 6624139
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Schading, Richard L.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
; FILE REFERENCE: 21829/41 (EBC-003)
; CURRENT APPLICATION NUMBER: US/09/431.614
; PRIOR FILING DATE: 1999-11-02
; EARLIER APPLICATION NUMBER: 60/107,243
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Erwinia amylovora
US-09-431-614-6
Query Match 25.4%; Score 559; DB 4; Length 447;
Best Local Similarity 36.1%; Pred. No. 4.1e-37;
Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

Qy 72 KPNDQS--NIAKLISALINSLLOMLTNSKKQDTNQEOPDPSQAPFQNGGLG-----122
Db 37 QPIDROTIEOQAOLLABLLKSL---LSPQSGNAATGAGNDQTTGVGNAGGLNGRKGATG 93
Qy 123 -TPSADS-----GGGG-----TPDATGGG-GDTP-----SATGGG 151
Db 94 TTPOSQSNMSENGNGLDQAITPDGCGGQIGDNPELLKMLKLIARMWDGSDQGP 153
Qy 152 GGDPTATGGGGGGGTPATGGG---SGGTATGCGGGVTPQITPOL-----A 200
Db 154 GTGNNSASSGTSSTSGGSPFNLDLGGKAPSGNSPGNSPVSTFSPSTPTSPPLDPPS 213
Qy 201 NPNRTSG-----TGSVSDTAGS---TEQAGKINVVKDTIKVAGVDFDGHGAT 245
Db 214 SPTKAAGGTPVTDHPDPVGSAGIGAGNSVAFSTAGANQTVLHDTITVKAGQVDFGKGOT 273
Qy 246 FTADKSMGNGDQGENOKPMPELAGATLKNVNLGENEVDGIHVAKNAQEVTTIDNVHAQN 305
Db 274 FTAGSELGCGGQSENQKPLFILEDGASLKNVTMGDDGADGHLVG-----DAKIDNLHVTN 329
Qy 306 VGEDLIIVKGGGAATVNLNINIKSSAKGADDDKVVQLNANTHLKIDNFKADDFTGMVRTNG 365
Db 330 VGEDAITVKPNSAGKSHVEITNSFEHASDKILQNLNADTNLSVDNVKAKDFTGTVRTNG 389

Qy 366 GKQFDDMSIELNGIEANHGKFPALVKSDDDLKLATNGIAMTDVKHAY 412
Db 390 GQQ-GNWDNLNLSHISAEDGKFSFVKSDSEGLNVTNTSDISLGDVENHY 435
RESULT 5
US-09-402-668-2
; Sequence 2, Application US/09402668
; Patent No. 6172030
; GENERAL INFORMATION:
; APPLICANT: WADA, Yasuhiro
; APPLICANT: KASAI, Miyuki
; APPLICANT: SHIKATA, Shitsuw
; APPLICANT: SUZUMATSU, Atsushi
; APPLICANT: KOIKE, Kenzo
; APPLICANT: HATADA, Yuji
; APPLICANT: KOBAYASHI, Tohru
; APPLICANT: ITO, Susumu
; APPLICANT: TSUMADORI, Masaki
; TITLE OF INVENTION: Detergent Composition
; FILE REFERENCE: 2173-0116P
; CURRENT APPLICATION NUMBER: US/09/402,668
; CURRENT FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 9-091142 JAPAN
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: 9-242736 JAPAN
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: PCT/US98/01613
; PRIOR FILING DATE: 1998-04-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Bacillus sp.
; OTHER INFORMATION: Strain: KSM-PL5
US-09-402-668-2
Query Match 14.5%; Score 318; DB 3; Length 197;
Best Local Similarity 40.7%; Pred. No. 4.1e-18;
Matches 74; Conservative 33; Mismatches 61; Indels 14; Gaps 5;

Qy 226 VVKDITKVGAEVDFDGHGATFTAD-KSMNGDQGENOKPMPELAGATLKNVNLGNEVD 284
Db 4 VVHETIRVPAGQTFDGGQTYVANPNNTLGDGSOAENOKPIFRLEAGASLKNVVIGAPAD 63
Qy 285 GIHVAKNAQEVTTIDNVHAQNVGEDIITVKGEGGAATVNLTKNSSAKGADDDKVVOLNAN 344
Db 64 GVHCYG-----DCTITNVIWEDVGEDALTUKSSG-----TVNISGGGAAYKAYDKVFOINAA 114
Qy 345 THLKIDNFKADDFGTVRTNGGKQFDDMSIELNGIEANHGKFPALVKSDDDLKLATNGIA 404
Db 115 GTINIRNFADDIKGLVRQNGGTTY-KVMNVENCNISRVKDALRTDS---STSTGRIV 170
Qy 405 MT 406
Db 171 NT 172

RESULT 6
US-09-198-956-4
; Sequence 4, Application US/09198956
; Patent No. 6165769
; GENERAL INFORMATION:
; APPLICANT: Andersen, Lene N.
; APPLICANT: Schulein, Martin
; APPLICANT: Lange, Niels Erik K.
; APPLICANT: Bjornvad, Mads E.
; APPLICANT: Schnorr, Kirk
; TITLE OF INVENTION: Pectin Degrading Enzymes From Bacillus
; FILE REFERENCE: 5377.200-US

APPLICANT: Mansfield, Traci A.
TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
FILE REFERENCE: 15966-542
CURRENT APPLICATION NUMBER: US/09/538,092
CURRENT FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 60/127,352
PRIOR FILING DATE: 1999-04-01
PRIOR APPLICATION NUMBER: 60/178,965
PRIOR FILING DATE: 2000-02-01
NUMBER OF SEQ ID NOS: 1387
SOFTWARE: CuraPatSeqFormatter Version 0.9
SEQ ID NO 1080
LENGTH: 526
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (0)...(0)
OTHER INFORMATION: Polypeptide Accession Number P35637
US-09-538-092-1080

Query Match 8.7%; Score 191.5; DB 4; Length 526;
Best Local Similarity 24.2%; Pred. No. 2.5e-07;
Matches 96; Conservative 41; Mismatches 148; Indels 111; Gaps 16;
QY 10 QQTTPDPSALSGKSPQNT-----PGEQNTQQAIDPSALLFGSDT 51
DB 27 QSSSQPYGQSYSGYSGQSTDTSGYGSSYSSYQSQNTGYGTSTPQYG-STGGYSSQ 85
QY 52 QKDVNFQTPDSTVQNPQDASKNDSDSNIAKLISALIMSLLOMLTNSNKKQDTPQBP-- 109
DB 86 SSQSSVG-----QSSYPGYGQOPAPSSSTSGYSSSSQPSGSGYSQPSY 136
QY 110 -----DSQAPFQNNGLTPSADSGGGTTPDATGGGG-----DTPSATGGG 152
DB 137 GGGQSQSYGQSQYQNPQGYGQYQYQYQYQYQYQYQYQYQYQYQYQYQYQYQYQY 191
QY 153 G--DTPATGGGGGGGGTATGGGGGGTATGGGGGGTATGGGGGGTATGGGGGGTATGG 210
DB 192 GGYGNQDQSGGGGGGGYQDQDGRGRGG-----SGGGGG-----GGGG 231
QY 211 VSDTAGTEQAGKINNVKDIKVGAGEVDFGHGATFTAD-----KSMGNGDQGENKPMF 265
DB 232 YNRSSGYEPRGR-----GGGR--GGRGMGSGDRGGGKFGPRDQSRHDSQ 279
QY 266 ELAEGATLKNVNLGENEVDGIHVAKNAQEVTTIDNV--HAQNVGDELITVKEGGAATN 323
DB 280 DNSDNNITFVQGLGEN-----VTIESVADYFKQIG--IIKTKKTGQPMIN 323
QY 324 LNTKSSAKGADKVVQLNANTHLK--IDNFKADD 357
DB 324 LYTDRETGLKGEATVDFDPPPSAKAIDWFDGKEF 359

RESULT 10
US-09-336-447A-9
Sequence 9, Application US/09336447A
Patent No. 6310190
GENERAL INFORMATION:
APPLICANT: HANSEN, ERIC J.
APPLICANT: AEBI, CHRISTOPH
APPLICANT: COPE, LESLIE D.
APPLICANT: MACIVER, ISOBEL
APPLICANT: FISKE, MICHAEL J.
APPLICANT: FREDENBURG, ROSS A.
TITLE OF INVENTION: USPA1 AND USPA2 ANTIGENS OF MORAXELLA CATARRHALIS
FILE REFERENCE: AMCY:024
CURRENT APPLICATION NUMBER: US/09/336,447A
CURRENT FILING DATE: 1999-06-21
NUMBER OF SEQ ID NOS: 98
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 941

TYPE: PRT
ORGANISM: Moraxella catarrhalis
US-09-336-447A-9
Query Match 8.2%; Score 179.5; DB 3; Length 941;
Best Local Similarity 25.0%; Pred. No. 5.1e-06;
Matches 97; Conservative 39; Mismatches 139; Indels 113; Gaps 18;
QY 81 AKLISALIMSLLOMLTNSNKKQDTPQBPDSQAPFQNNGLGTPSADSG-----GGTP 134
DB 29 AVLGSLLIVGILGMATTASQAQWATT--PSAQVVKTNKKNKNGTHFPFGGDDYNTTKGNYP 85
QY 135 DATGG-----GGGDTPSATG-----GG-----GDTPTATGGGGGGGGTPT 171
DB 86 TIGGGHFNFAEGYSTVGGGFTNEAIGKNSVTGGGFTNEAMGEYSTVAGGANNQAKGNYS 145
QY 172 ATGGGS-----GGTPTATGG-----GE-----GGVTPOITPQ----- 198
DB 146 TVGGGNGKKAIGNSTVVGGSNNQAKGEHSTTAGKNNQATNGSFAAGVENKADANNAV 205
QY 199 -LANPNRTSGTSVSDTAGSTEQAGKINNV-----KDTIKVGAGEVDFGHGATFTAKSM 252
DB 206 ALCKNNTTICTNSVAIGSNNTVTKGKENVFILGNSNTNTENASQSGSVLLGNNTAGKAATTV 265
QY 253 GNGDQGENKPMFELAEAGATLKNVNLGENEVDGIHVAKNAQEVTTIDNVHAQNVGDELIT 312
DB 266 NNAE-----VNGLTLENF-AGASKA-----NANNIGTVSVGSENNRQIVN 305
QY 313 VKEGGAAVTNINIKNSAKGADKVVQLNANTHLKIDNFKADDFTGTVRTNGGKQFDD- 371
DB 306 V-GAQISATSDAVNGSQLHALAKAVAKN-----KSDIKGL-----NKGVKELDK 351
QY 372 ---MSIELNG-----TEANHGFALVKSD 392
DB 352 VGVLSRDINSLHDDVADNQDSIAKNKAD 379

RESULT 11
US-09-952-267B-9
Sequence 9, Application US/09952267B
Patent No. 6753417
GENERAL INFORMATION:
APPLICANT: HANSEN, ERIC J.
APPLICANT: AEBI, CHRISTOPH
APPLICANT: COPE, LESLIE D.
APPLICANT: MACIVER, ISOBEL
APPLICANT: FISKE, MICHAEL J.
APPLICANT: FREDENBURG, ROSS A.
TITLE OF INVENTION: USPA1 AND USPA2 ANTIGENS OF MORAXELLA CATARRHALIS
FILE REFERENCE: AMCY:024
CURRENT APPLICATION NUMBER: US/09/952,267B
CURRENT FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US/09/336,447
PRIOR FILING DATE: 1999-06-21
NUMBER OF SEQ ID NOS: 98
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 941
TYPE: PRT
ORGANISM: Moraxella catarrhalis
US-09-952-267B-9

Query Match 8.2%; Score 179.5; DB 4; Length 941;
Best Local Similarity 25.0%; Pred. No. 5.1e-06;
Matches 97; Conservative 39; Mismatches 139; Indels 113; Gaps 18;
QY 81 AKLISALIMSLLOMLTNSNKKQDTPQBPDSQAPFQNNGLGTPSADSG-----GGTP 134
DB 29 AVLGSLLIVGILGMATTASQAQWATT--PSAQVVKTNKKNKNGTHFPFGGDDYNTTKGNYP 85
QY 135 DATGG-----GGGDTPSATG-----GG-----GDTPTATGGGGGGGGTPT 171
DB 86 TIGGGHFNFAEGYSTVGGGFTNEAIGKNSVTGGGFTNEAMGEYSTVAGGANNQAKGNYS 145

QY 172 ATGGGS-----GGTATGG-----GE-----GGVTPQITPQ----- 198
Db 146 TVGGGNGKAIANNSTVVGSGNNQAKGESHITAGGKNNQATNGSFAAGVENKADANNV 205
QY 199 -LANPNRTSGTSVSDTAGSTQAGKINV-----KDTIKVAGVFDGCHGATFTADKSM 252
Db 206 ALGNKNTTIGTNSVAIGSNNTVKTGKENVFILGNTNTENAGSGSVLLGNNTAGKAAATTV 265
QY 253 GNGDQGENQKPFELAEAGATLKNVNLGENEVDGIHVAKNAQAEVTDINVHAQNGEDLIT 312
Db 266 NNAE-----VNGITLENF-AGASKA-----NANNICTVSVGSNNERQIVN 305
QY 313 VKREGGAATVNLNKNSSAKGADDKVQVNLNANTHLKIDNFKADDFTGTVWRNNGSQDFD- 371
Db 306 V-GAGQISATSDAVNGSQLHALAKAVAKN-----KSDIKGL---NKGVKELDK 351
QY 372 ---MSIELNG-----TEANHGKALVKSD 392
Db 352 VGVLSRDINSLHDDVADNQDSIAKNKAD 379

RESULT 12
US-09-902-540-12312
; Sequence 12312, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; PRIOR FILING DATE: 2001-07-10
; PRIOR FILING DATE: 2001-07-10
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 12312
; LENGTH: 857
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-12312

Query Match 8.1%; Score 178; DB 4; Length 857;
Best Local Similarity 28.2%; Pred. No. 6e-06;
Matches 70; Conservative 19; Mismatches 83; Indels 76; Gaps 10;
QY 45 LLFGSDTQDVNFGPTDSTVQNPQDASKENDSQSNIAKLISALIMSLLOMLTNSNKKQDT 104
Db 90 LLTAADTML-----AQVRAVEGKQPDSS-----AALLTQLSQRVTTMT----- 128
QY 105 NQEQPDSQAP-----PQNNGLGTPPSADSGGGTTPDATGGGGDTTPSA 147
Db 129 -----GQAPATRAKVTALPEGGSGDGTGGSDGTAGSGTAGSGGTGGAGGSG 182
QY 148 TGGGGGDTPTATGG-----GSGGGGTPTATGGSGGTPPTATGGGEGGVTPQITPOLAN 201
Db 183 TTGGGSDGSGTGGGPDGSGTAGGAGSGGTTGGAGGSGTA--GGAGSGP--TGAGAS 238
QY 202 PNRTSGTGSV-----SDTAGSTQAGKINVKDTIKVAGVEFDGHCATFTADK 250
Db 239 PASTHGGGAAGSGTRSCVDGGSGAAGGSASPG-----VASGTGVDGAGPG--PASP 287
QY 251 SMNGNDQOG 258
Db 288 NLNMGPG 295

RESULT 13
US-09-540-236-2676
; Sequence 2676, Application US/09540236
; Patent No. 6673910

; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CAT
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 2676
; LENGTH: 867
; TYPE: PRT
; ORGANISM: M. catarrhalis
US-09-540-236-2676

Query Match 8.1%; Score 178; DB 4; Length 867;
Best Local Similarity 24.9%; Pred. No. 6.1e-06;
Matches 105; Conservative 49; Mismatches 145; Indels 122; Gaps 24;
QY 81 AKLISALIMSLLOMLT-----NSNKKQDTNQEQPDSQAPP-QNNGGLGTPSA 126
Db 22 AVLGSLLIVGALGMATTASAOVGAYIGGNRVNQNATGKYSTVSGGDYNEANGEIST--- 78
QY 127 DSGGGGTTPDATG-----GGGGDT-----PSATGGGG-----GDTPTATGGGGGGTPT 171
Db 79 -IGGFFNKAGSGESTIAGGRNQATKENSTVGGGKFNQAKGRNSTVAGGYNNEATGIDS 137
QY 172 ATGGGGGTPTATGGGEGVTPQITPOLANPNRTSGTSVSDTAGSTQAGKINV----- 227
Db 138 TIAGGRNQATGAGSFAAGV-----GNOATGAGSFA--AGVGNQANADNAVAVGN 185
QY 228 -----KDTIKVAGE-VFDGHGATP-----TADKS-----MNGDQGENQKPFELAE 270
Db 186 KNSITGDSVAIGSNNTVAQDH--TFILGSNTQVQSNVLLGNETAGK-----QA 234
QY 271 ATLKNVNLGENEVDGIHV-----AKNAQEVTDINVHAQNGEDLITVKEGGAAVTLNLI 326
Db 235 TTVKNA-----EVDGLNLTGFAGVSNAGNTV-SVGSQGRERQIVHV-GAGEISATSDA 287
QY 327 KNSAKGADKVVOLNANTHLK--IDNFKADDFTGTVRTNGGKQFDD-----MSIELNGIE 380
Db 288 VNGSQLHALAKVADNYNDILNLLDDIYNLDD-----GIKOLDDEVGLLGBEINSLE 339
QY 381 AN--HGKFAVVKSDDDLKLATGNIAM-----TDVKHAYDKTQASTQH 421
Db 340 GEIPNNODATAKNOA-DIKTLESNVBEGLDLDSRLDLQKADIDNNINNIYELAQQQDQH 398
QY 422 T 422
Db 399 S 399

RESULT 14
US-09-479-467A-15
; Sequence 15, Application US/09479467A
; Patent No. 6723557
; GENERAL INFORMATION:
; APPLICANT: Sternberg, Paul W.
; APPLICANT: Bair, Maureen M.
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE HOMOLOGS REQUIRED FOR MALE M
; TITLE OF INVENTION: BEHAVIOR IN NEMATODES AND ASSAYS BASED THEREON
; FILE REFERENCE: 18021-2901B
; CURRENT APPLICATION NUMBER: US/09/479,467A
; CURRENT FILING DATE: 2000-01-06
; PRIOR FILING DATE: 60/115,127
; PRIOR FILING DATE: 1999-01-06
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 15
; LENGTH: 2870
; TYPE: PRT
; ORGANISM: C. Elegans Lov-1 sy582 deletion protein
US-09-479-467A-15

BEST AVAILABLE COPY

Query Match 8.1%; Score 177.5; DB 4; Length 2870;
Best Local Similarity 22.7%; Pred. No. 3.3e-05;
Matches 96; Conservative 52; Mismatches 110; Indels 165; Gaps 19;
QY 125 SADSGG--GGTPDATTGGGGDTPSATGGGGDTPATG-----GGGSG 165
DB 1101 SDDAGGKTGGT-GATGGTGG-----TSGGSAATLSTGDAVRSTTSGSGGSGSTGSGAG 1154
QY 166 GGGTPTATGGSGGTPATGGGEGVTPQITPOLANPNRTSGT-----GS 210
DB 1155 GSGT-TASGSGGG---SSGTGSDGVNSGKTTALNGDGTGSGTATTPGSHLGDGSGTSGS 1210
QY 211 VSDTAGSTEAGKINVKDTIKVGAGEVDFGHGATFTADKSMGNGDQGENOKPMFELAE 270
DB 1211 GSDNGSGGVSTKSSGSDT-----SGSDSSGANGAFSATAQPSRTRTKT 1256
QY 271 ----ATLKNVNLGE-----NEVDGI-----HVKAKNAQEVITDINVH----- 302
DB 1257 RSSLATVSPISAAEQAIIDAQKADVMNQLAGIMDGSASNNSLNTSSSLLNQISSLPADL 1316
QY 303 ---AQNVEDLITVKGEGGAATNL-----NIKNSAKGADD--KVVQLNANTH----- 346
DB 1317 VEVAQSLSLNTLKPVGVMNMSVDVLKTLQDNIATTNSELADEMAKVITTKLANVNM TSAQ 1376
QY 347 -----LKDNEKADD-----FGTM 360
DB 1377 SLNSVLSLDAKGVSTVYTLGVSTKSKDGTAVIPGYVIASGYTLVSPRCTLISYGST 1436
QY 361 VRITGG-----KQFDD-----MSIELNGIEANHGKFPALVKSDDDLK--LATGNI 403
DB 1437 IYLTGDTASVKQLDGDVTADTMLAAAGIQGMFATNGRTVQVEQDKIDDKRSLVSGNI 1496
QY 404 AMT 406
DB 1497 MAT 1499

RESULT 15

US-09-479-467A-4
; Sequence 4, Application US/09479467A
; Patent No. 6723557
; GENERAL INFORMATION:
; APPLICANT: Sternberg, Paul W.
; APPLICANT: Barr, Maureen M.
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE HOMOLOGS REQUIRED FOR MALE MAT
; FILE OF INVENTION: BEHAVIOR IN NEMATODES AND ASSAYS BASED THEREON
; FILE REFERENCE: 18021-2901B
; CURRENT APPLICATION NUMBER: US/09/479,467A
; CURRENT FILING DATE: 2000-01-06
; PRIOR APPLICATION NUMBER: 60/115,127
; PRIOR FILING DATE: 1999-01-06
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 4
; LENGTH: 3178
; TYPE: PRT
; ORGANISM: C. Elegans Lov-1 protein
US-09-479-467A-4

Query Match 8.1%; Score 177.5; DB 4; Length 3178;
Best Local Similarity 22.7%; Pred. No. 3.8e-05;
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QY 166 GGGTPTATGGSGGTPATGGGEGVTPQITPOLANPNRTSGT-----GS 210
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DB 1437 IYLTGDTASVKQLDGDVTADTMLAAAGIQGMFATNGRTVQVEQDKIDDKRSLVSGNI 1496
QY 404 AMT 406
DB 1497 MAT 1499

Search completed: July 27, 2005, 14:54:12
Job time : 45 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 29, 2005, 20:59:45 ; Search time 1170 Seconds
(without alignments)
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Perfect score: 1729
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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 7287783 seqs, 3236178273 residues

Total number of hits satisfying chosen parameters: 14575566

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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- 26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	1729	100.0	1729	9	US-09-835-684-10
2	1729	100.0	1729	9	US-09-860-371-10
3	1729	100.0	1729	9	US-09-879-248-13
4	1729	100.0	1729	15	US-10-010-390-10
5	1729	100.0	1729	20	US-10-441-736-13
6	1729	100.0	1729	17	US-10-847-142-10
7	1725.8	99.8	30365	9	US-09-825-414-1

Sequence 10, Appl

8	1725.8	99.8	30365	21	US-10-893-776A-1	Sequence 1, Appli
9	155.2	9.0	1344	9	US-09-835-684-6	Sequence 6, Appli
10	155.2	9.0	1344	9	US-09-880-371-6	Sequence 6, Appli
11	155.2	9.0	1344	9	US-09-879-248-5	Sequence 5, Appli
12	155.2	9.0	1344	15	US-10-010-390-6	Sequence 6, Appli
13	155.2	9.0	1344	17	US-10-441-736-5	Sequence 5, Appli
14	155.2	9.0	1344	20	US-10-847-142-6	Sequence 6, Appli
15	111.3	6.5	495	9	US-09-825-414-4	Sequence 4, Appli
16	111.3	6.5	495	21	US-10-893-776A-4	Sequence 4, Appli
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18	59.8	3.5	7593	20	US-10-363-345A-4841	Sequence 4841, Ap
19	59.8	3.5	7593	20	US-10-363-345A-4842	Sequence 4842, Ap
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23	59.2	3.4	975	17	US-10-355-956-1	Sequence 1, Appli
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30	54.2	3.1	538	15	US-10-193-002-175	Sequence 175, App
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33	54	3.1	861	16	US-10-001-245-77	Sequence 77, Appl
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35	53.6	3.1	1304	19	US-10-437-963-19773	Sequence 19773, A
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37	53.2	3.1	2772	17	US-10-282-122A-28290	Sequence 28290, A
38	52.8	3.1	70383	15	US-10-283-247-3	Sequence 3, Appli
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41	52.4	3.0	861	16	US-10-001-245-61	Sequence 61, Appl
42	52.4	3.0	861	16	US-10-001-245-65	Sequence 65, Appl
43	52.4	3.0	861	16	US-10-001-245-75	Sequence 75, Appl
44	52.4	3.0	1455	17	US-10-282-122A-28683	Sequence 28683, A
45	52	3.0	1457	9	US-09-954-531-982	Sequence 982, App

ALIGNMENTS

RESULT 1

US-09-835-684-10
; Sequence 10, Application US/09835684
; Patent No. US20020019337A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Qiu, Dewen
; APPLICANT: Remick, Dean
; TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE
; TITLE OF INVENTION: RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR
; TITLE OF INVENTION: DESICCATION
; FILE REFERENCE: 21829/71
; CURRENT APPLICATION NUMBER: US/09/835,684
; CURRENT FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: 60/198,359
; PRIOR FILING DATE: 2000-04-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 1729
; TYPE: DNA
; ORGANISM: Pseudomonas syringae
US-09-835-684-10

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Query Match 100.0%; Score 1729; DB 9; Length 1729;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1729; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 4
US-10-010-390-10
; Sequence 10, Application US/10010390
; Publication No. US20030104979A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Leon, Ernesto
; APPLICANT: Oviedo, Agustín
; TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED
; TITLE OF INVENTION: FROM ORNAMENTAL PLANTS
; FILE REFERENCE: 21829/111
; CURRENT APPLICATION NUMBER: US/10/010,390
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/248,169
; PRIOR FILING DATE: 2000-11-13
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 1729
; TYPE: DNA
; ORGANISM: Pseudomonas syringae
US-10-010-390-10

Query Match 100.0%; Score 1729; DB 15; Length 1729;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1729; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5

US-10-441-736-13

; Sequence 13, Application US/10441736
; Publication No. US20040016029A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Schading, Richard L.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
; TITLE OF INVENTION: RESISTANCE
; FILE REFERENCE: 21829/203 (EBC-003)
; CURRENT APPLICATION NUMBER: US/10/441,736
; CURRENT FILING DATE: 2003-05-20
; PRIOR APPLICATION NUMBER: 60/107,243
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 09/431,614
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 1729
; TYPE: DNA
; ORGANISM: Pseudomonas syringae
US-10-441-736-13

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841 CGGTGATACGCGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
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901 TGGCGGACGCGGTGGCGGCGGACACCACTGCAACAGGTGGCGGCGGCGGCGGCGGCGG 960
901 TGGCGGACGCGGTGGCGGCGGACACCACTGCAACAGGTGGCGGCGGCGGCGGCGGCGG 960
961 CACTGCAACAGCGGTGGCGGCGGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
961 CACTGCAACAGCGGTGGCGGCGGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
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1021 CCCTAACCGTACCTCAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080
1081 CGGCAAGATCAATGTTGTAAGACACCAATCAAGGTGGCGGCGGCGGCGGCGGCGGCGG 1140
1081 CGGCAAGATCAATGTTGTAAGACACCAATCAAGGTGGCGGCGGCGGCGGCGGCGGCGG 1140
1141 CCAGGCGCACTTCACTGCGGCAATCTATGTTGTAAGACACCAATCAAGGTGGCGGCGG 1200
1141 CCAGGCGCACTTCACTGCGGCAATCTATGTTGTAAGACACCAATCAAGGTGGCGGCGG 1200
1201 GAAGCCCATGTTTCAGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1260
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1261 CGAGGTGATGCGATCCAGTGAAGACCAAAACCGTTCAGAAAGTCCACATTGACAAAGT 1320
1261 CGAGGTGATGCGATCCAGTGAAGACCAAAACCGTTCAGAAAGTCCACATTGACAAAGT 1320
1321 GCATGCCAGAACGTCGTTGAGACCTGATTACGTTCAAGGCGAGGAGGCGGCGGCGG 1380
1321 GCATGCCAGAACGTCGTTGAGACCTGATTACGTTCAAGGCGAGGAGGCGGCGGCGG 1380
1381 CACTAATCTGAAACATCAAGAACGAGTGCACAAAGGTGCAGACGACAAGGTTGTCCAGCT 1440
1381 CACTAATCTGAAACATCAAGAACGAGTGCACAAAGGTGCAGACGACAAGGTTGTCCAGCT 1440
1441 CAACGCCAACATCACTTGAATAATCGAACACTTCAAGGCCGAGGATTTCCGCGACGATG 1500
1441 CAACGCCAACATCACTTGAATAATCGAACACTTCAAGGCCGAGGATTTCCGCGACGATG 1500
1501 TCACACCAAGGTCGAGGAGGAGTTCATGATGATGATGATGATGATGATGATGATGATGATG 1560
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1561 TAAACCAAGGTCGAGGAGGAGTTCATGATGATGATGATGATGATGATGATGATGATGATG 1620
1561 TAAACCAAGGTCGAGGAGGAGTTCATGATGATGATGATGATGATGATGATGATGATGATG 1620
1621 CAACATCGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1680
1621 CAACATCGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1680
1681 CACCGAGCTTTGAATCCAGCAAGTAGTCTTGAAGGAGGAGGAGGAGGAGGAGGAGGAG 1720
1681 CACCGAGCTTTGAATCCAGCAAGTAGTCTTGAAGGAGGAGGAGGAGGAGGAGGAGGAG 1720

RESULT 6

US-10-847-142-10
; Sequence 10, Application US/10847142
; Publication No. US20040265442A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Qiu, Dewen
; APPLICANT: Remick, Dean
; TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE
; TITLE OF INVENTION: RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR
; FILE REFERENCE: 21829/197
; CURRENT APPLICATION NUMBER: US/10/847,142
; CURRENT FILING DATE: 2004-05-17
; PRIOR APPLICATION NUMBER: 60/198,359
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: 09/835,684
; PRIOR FILING DATE: 2001-04-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 1729
; TYPE: DNA
; ORGANISM: Pseudomonas syringae
US-10-847-142-10

we did not

Query Match 100.0%; Score 1729; DB 20; Length 1729;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1729; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 TCCACTTCGCTGATTTTGAATTTGGCAGATTCATAGAAACGTTTCAGGTGTGGAATCAGG 60
1 TCCACTTCGCTGATTTTGAATTTGGCAGATTCATAGAAACGTTTCAGGTGTGGAATCAGG 60
61 CTGAGTCGCGAGATTTCTGTTGATAGGTTGTGTTCTGTTCTGTTCTGTTCTGTTCTGTTCT 120
61 CTGAGTCGCGAGATTTCTGTTGATAGGTTGTGTTCTGTTCTGTTCTGTTCTGTTCTGTTCT 120
121 CCTCTGAGTCGCGTGGGAGCAATACAGTCTTCTGCTGCGGTGTCACACTGAGTCGC 180

Db 121 CCTCTGAGTCGGTGGGAGCAATACCACTCTTCTCTGCTGGCGTGTGCACACTGAGTCGC 180
Qy 181 AGGCATAGGCATTTTCAGTTCCTTGGTGGTGGGATATATAAAAAAGAACTTTTAAAA 240
Db 181 AGGCATAGGCATTTTCAGTTCCTTGGTGGTGGGATATATAAAAAAGAACTTTTAAAA 240
Qy 241 ACAGTGAATGAGATCGCGGCAAAACGGGAACCGGTGCGCTGCGCTTTGGCCACTCACTTCG 300
Db 241 ACAGTGAATGAGATCGCGGCAAAACGGGAACCGGTGCGCTGCGCTTTGGCCACTCACTTCG 300
Qy 301 AGCAAGCTCAACCCCAACATCCCATCCCTATCGAAGGAGAGGATACCGCCACTTGC 360
Db 301 AGCAAGCTCAACCCCAACATCCCATCCCTATCGAAGGAGAGGATACCGCCACTTGC 360
Qy 361 TCTGGTAAACCTTGAGTGGGTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
Db 361 TCTGGTAAACCTTGAGTGGGTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
Qy 421 GAGCATCGGCATCACACCCCGCGCGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 480
Db 421 GAGCATCGGCATCACACCCCGCGCGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 480
Qy 481 AAGCGGCAAGAGTCTCTCAACCAAAACAGCTTCGGCGAGCAGAACTCAGCAAGCGATCGA 540
Db 481 AAGCGGCAAGAGTCTCTCAACCAAAACAGCTTCGGCGAGCAGAACTCAGCAAGCGATCGA 540
Qy 541 CCGAGTGCACTGTTGTTGGGAGCGGACACACAGAAAGAGCTCACTTGGGAGCGCCGGA 600
Db 541 CCGAGTGCACTGTTGTTGGGAGCGGACACACAGAAAGAGCTCACTTGGGAGCGCCGGA 600
Qy 601 CAGCACCGTCAGAAATCGGAGGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 660
Db 601 CAGCACCGTCAGAAATCGGAGGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 660
Qy 661 TAAATTGATCAGTTCATGATCATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
Db 661 TAAATTGATCAGTTCATGATCATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
Qy 721 GCAGGACACCAATCAGAAACAGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 780
Db 721 GCAGGACACCAATCAGAAACAGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 780
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Db 781 CGGTACACCGTCGCGGATAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 840
Qy 841 CGGTGATACGCAAGCGCAACAGCGCGGTGGCGGCGGTGATCTCCGACCGCAACAGCGCGG 900
Db 841 CGGTGATACGCAAGCGCAACAGCGCGGTGGCGGCGGTGATCTCCGACCGCAACAGCGCGG 900
Qy 901 TGGCGGAGCGGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 960
Db 901 TGGCGGAGCGGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 960
Qy 961 CACTGCAACAGGCGGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1020
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Qy 1021 CCCTAACCGTACCTCAGGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Db 1021 CCCTAACCGTACCTCAGGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
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Db 1081 CGGCAAGATCAATGTGTGTAAGACACATCAAGTTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1140
Qy 1141 CCAGCGGCAACCTTCACTCCGCAAAATCTATGGGTAAACCGGAGGAGGAGGAGGAGGAGGAGGAG 1200
Db 1141 CCAGCGGCAACCTTCACTCCGCAAAATCTATGGGTAAACCGGAGGAGGAGGAGGAGGAGGAGGAG 1200
Qy 1201 GAAGCCCATGTTGAGTGGCTGAAGCGGCTAGCTTGAAGAAATGTGAACCTGGGTGAGAA 1260
Db 1201 GAAGCCCATGTTGAGTGGCTGAAGCGGCTAGCTTGAAGAAATGTGAACCTGGGTGAGAA 1260

Qy 1261 CGAGGTTCGATGGCATCCACGTGAAAGCCAAACACGCTCAGGAAGTCAACATTTGCAACGCT 1320
Db 1261 CGAGGTTCGATGGCATCCACGTGAAAGCCAAACACGCTCAGGAAGTCAACATTTGCAACGCT 1320
Qy 1321 GCATGCCAGAAACGTGGTGAAGACCTGATTTACGGTCAAAAGGCGAGGCGGCGGCGGCT 1380
Db 1321 GCATGCCAGAAACGTGGTGAAGACCTGATTTACGGTCAAAAGGCGAGGCGGCGGCGGCT 1380
Qy 1381 CACTAATCTGAACATCAAGAACAGCAGTGCACAAAGGTGCAGACGACAAAGGTTGTCCAGCT 1440
Db 1381 CACTAATCTGAACATCAAGAACAGCAGTGCACAAAGGTGCAGACGACAAAGGTTGTCCAGCT 1440
Qy 1441 CAACGCCAAACACTCACTTGAAGAAATCGACAACTTCAAGGCCGACGATTTTCGACGATGCT 1500
Db 1441 CAACGCCAAACACTCACTTGAAGAAATCGACAACTTCAAGGCCGACGATTTTCGACGATGCT 1500
Qy 1501 TCGCACCACAGCGTGGCAAGCAGTTTGTATGATCATGAGCATCGAGTGAACCGCATCGAAGC 1560
Db 1501 TCGCACCACAGCGTGGCAAGCAGTTTGTATGATCATGAGCATCGAGTGAACCGCATCGAAGC 1560
Qy 1561 TAAACACGCGCAAGTTCGCCCTGCTGTAAGGCGACAGTGAAGCTGCGCAACGCGG 1620
Db 1561 TAAACACGCGCAAGTTCGCCCTGCTGTAAGGCGACAGTGAAGCTGCGCAACGCGG 1620
Qy 1621 CAACATCGCCATCGCAGCGTCAACACAGCGCTACGATTAACCCAGGCATCGACCCAAACA 1680
Db 1621 CAACATCGCCATCGCAGCGTCAACACAGCGCTACGATTAACCCAGGCATCGACCCAAACA 1680
Qy 1681 CACCGAGCTTGAATCCAGACAGTGTGTAAGGCGGCGGCGGCTC 1729
Db 1681 CACCGAGCTTGAATCCAGACAGTGTGTAAGGCGGCGGCGGCTC 1729

RESULT 7

US-09-825-414-1
; Sequence 1, Application US/09825414
; Patent No. US20020083489A1
; GENERAL INFORMATION:
; APPLICANT: Collmer, Alan
; APPLICANT: Alfano, James R.
; APPLICANT: Charkowski, Amy O.
; TITLE OF INVENTION: DNA MOLECULES AND POLYPEPTIDES OF PSEUDOMONAS SYRINGAE
; FILE REFERENCE: 19603/3243
; CURRENT APPLICATION NUMBER: US/09/825,414
; PRIOR FILING DATE: 2001-04-03
; PRIOR FILING DATE: 2000-04-03
; PRIOR FILING DATE: 2000-04-03
; PRIOR FILING DATE: 2000-04-03
; PRIOR FILING DATE: 2000-08-11
; PRIOR FILING DATE: 2000-11-17
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 30365
; TYPE: DNA
; ORGANISM: Pseudomonas syringae
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (29734)
; OTHER INFORMATION: n at any position is undefined
US-09-825-414-1

Query Match 99.8%; Score 1725.8; DB 9; Length 30365;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 TCCACTTCGCTGATTTTGAATTTGGCAGATTTCATAGAAACGTTTCAGGTGTGGAATCAGG 60
Db 20748 TCCACTTCGCTGATTTTGAATTTGGCAGATTTCATAGAAACGTTTCAGGTGTGGAATCAGG 20807

QY	61	CTGAGTGGCGAGATTTTCGTTGATAGAGGTGTGTGTA	CTGGTCAATGTTGGTCAATTTCAAGG	120
Db	20808	CTGAGTGGCGAGATTTTCGTTGATAGAGGTGTGTGTA	CTGGTCAATGTTGGTCAATTTCAAGG	20867
QY	121	CTCTCAGTGGCGGTGGGAGCATACAGTCTTCCTGCTGGGTGGCGTGGACACTGAGTGGC	180	
Db	20868	CTCTCAGTGGCGGTGGGAGCATACAGTCTTCCTGCTGGGTGGCGTGGACACTGAGTGGC	20927	
QY	181	AGGCATAGGCAATTTTCAGTTCTCTTGGTGGTGGGATATAA	AGGAAAGGAACTTTTAAAA	240
Db	20928	AGGCATAGGCAATTTTCAGTTCTCTTGGTGGTGGGATATAA	AGGAAAGGAACTTTTAAAA	20987
QY	241	ACAGTGCATAGATCCGGGCAAAACGGGAAACGGGTGCGTGGCTGGTGGCACTCACTTCG	300	
Db	20988	ACAGTGCATAGATCCGGGCAAAACGGGAAACGGGTGCGTGGCTGGTGGCACTCACTTCG	21047	
QY	301	AGCAAGCTCAACCCCAAAACATCACATCCCTATCGAAACGGACAGCGATACGGCACTTCG	360	
Db	21048	AGCAAGCTCAACCCCAAAACATCACATCCCTATCGAAACGGACAGCGATACGGCACTTCG	21107	
QY	361	TCTGGTAAACCCCTGGAGCTGGCGTGGTCCAAATTTGCCCACTTAGCGAGGTAAACGCAAT	420	
Db	21108	TCTGGTAAACCCCTGGAGCTGGCGTGGTCCAAATTTGCCCACTTAGCGAGGTAAACGCAAT	21167	
QY	421	GAGCATCGGCATCACACCCCGGCGCAACAGACCAACAGCCACTCGATTTTTCGGCGCT	480	
Db	21168	GAGCATCGGCATCACACCCCGGCGCAACAGACCAACAGCCACTCGATTTTTCGGCGCT	21227	
QY	481	AAGCGCAAGAGTCTCAACAAACACGTTTGGCGAGCAGAACACACTCAGCAAGCGATCGA	540	
Db	21228	AAGCGCAAGAGTCTCAACAAACACGTTTGGCGAGCAGAACACACTCAGCAAGCGATCGA	21287	
QY	541	CCGAGTGCATCTGTTGTTGGGAGCGACACACAGAAAGACGTCAACTTCGGCAACGCCCA	600	
Db	21288	CCGAGTGCATCTGTTGTTGGGAGCGACACACAGAAAGACGTCAACTTCGGCAACGCCCA	21347	
QY	601	CAGCACCGTCCAGAAATCCGAGAGACGCCAGCAGCCCAACGACGACGCTCCACATCGC	660	
Db	21348	CAGCACCGTCCAGAAATCCGAGAGACGCCAGCAGCCCAACGACGACGCTCCACATCGC	21407	
QY	661	TAAATTTGATCAGTGCATTTGATGATGCTGTTGTCAGATGCTCACCACCTCCAAATAAAA	720	
Db	21408	TAAATTTGATCAGTGCATTTGATGATGCTGTTGTCAGATGCTCACCACCTCCAAATAAAA	21467	
QY	721	GCAGGACACCAATCAGGAAACAGCTGATAGCCAGGCTCTTTCCAGAAACAAACGGCGGCT	780	
Db	21468	GCAGGACACCAATCAGGAAACAGCTGATAGCCAGGCTCTTTCCAGAAACAAACGGCGGCT	21527	
QY	781	CGGTACACCGTGGCGGATAGCGGGCGGCGGTACACCGGATGCGACAGGTGGCGGCGG	840	
Db	21528	CGGTACACCGTGGCGGATAGCGGGCGGCGGGTACACCGGATGCGACAGGTGGCGGCGG	21587	
QY	841	CGGTGATAGCCAAAGCGCAACAGCGGCTGGCGGCTGATCTCCGACCGCAACAGCGCGG	900	
Db	21588	CGGTGATAGCCAAAGCGCAACAGCGGCTGGCGGCTGATCTCCGACCGCAACAGCGCGG	21647	
QY	901	TGGCGGAGCGGTGGCGGCGGACACCCACTGCAACAGGTGGCGGCGAGCGGTGGCAACCC	960	
Db	21648	TGGCGGAGCGGTGGCGGCGGACACCCACTGCAACAGGTGGCGGCGAGCGGTGGCAACCC	21707	
QY	961	CACTGCAACAGCGGCTGGCGGAGGTGGCGTAAACACCGCAAACTCACTCCGCGTGGCCAA	1020	
Db	21708	CACTGCAACAGCGGCTGGCGGAGGTGGCGTAAACACCGCAAACTCACTCCGCGTGGCCAA	21767	
QY	1021	CCCTAACCGTACCTCAGGTACTGGCTCGGTGGTGGGACACCGCAGGTTCCTACCGAGCAAGC	1080	
Db	21768	CCCTAACCGTACCTCAGGTACTGGCTCGGTGGTGGGACACCGCAGGTTCCTACCGAGCAAGC	21827	
QY	1081	CGGCAAGATCAATGTGTGTAAGACACCATCAAGGTTCGGCGCTGGCGGAAGTCTTTGACGG	1140	
Db	21828	CGGCAAGATCAATGTGTGTAAGACACCATCAAGGTTCGGCGCTGGCGGAAGTCTTTGACGG	21887	
QY	1141	CCACGGCGCAACCTTCACTGCCCGCAAAATCTATGGGTAAACGAGACCGAGGCGGAAATCA	1200	

RESULT 8

US-10-893-776A-1
; Sequence 1, Application US/10893776A
; Publication No. US20050039232A1
; GENERAL INFORMATION:
; APPLICANT: Collmer, Alan
; APPLICANT: Alfano, James R.
; APPLICANT: Charkowski, Amy O.
; TITLE OF INVENTION: DNA MOLECULES AND POLYPEPTIDES OF PSEUDOMONAS SYRINGAE
; TITLE OF INVENTION: HRP PATHOGENICITY ISLAND AND THEIR USES
; FILE REFERENCE: 19603/3247
; CURRENT APPLICATION NUMBER: US/10/893,776A
; PRIOR FILING DATE: 2004-07-16
; PRIOR APPLICATION NUMBER: 60/194,160
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: 60/224,604
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/249,548
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 09/825,414
; PRIOR FILING DATE: 2001-04-03
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 30365
; TYPE: DNA
; ORGANISM: Pseudomonas syringae
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (29734)
; OTHER INFORMATION: n at position 29734 is undefined
; FEATURE:
; NAME/KEY: unsure

LOCATION: (30237)
OTHER INFORMATION: n at position 30237 is undefined
FEATURE:
NAME/KEY: unsure
LOCATION: (30317)
OTHER INFORMATION: n at position 30317 is undefined
US-10-893-776A-1

Query Match 99.8%; Score 1725.8; DB 21; Length 30365;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1. TCCACTTCGCTGATTTTGAATTTGGCAGATTTCATAGAAAGTTTCAGTGTGGAATAACAGG 60
DB 20748 TCCACTTCGCTGATTTTGAATTTGGCAGATTTCATAGAAAGTTTCAGTGTGGAATAACAGG 20807

QY 61 CTGAGTGGCAGATTTCGTTGATTAAGGGTGTGCTACTGTGTCATTTGTTGTCATTTCAAGG 120
DB 20808 CTGAGTGGCAGATTTCGTTGATTAAGGGTGTGCTACTGTGTCATTTGTTGTCATTTCAAGG 20867

QY 121 CCTCTAGTGGGTGGGAGCAATACAGTCTTCCTGCTGGCTGTGCACTAGTTCGC 180
DB 20868 CCTCTAGTGGGTGGGAGCAATACAGTCTTCCTGCTGGCTGTGCACTAGTTCGC 20927

QY 181 AGGCATAGGCAATTCAGTTCCTTTCGCTTGTGCTGATATAAAGGAAGTTCATTTTAA 240
DB 20928 AGGCATAGGCAATTCAGTTCCTTTCGCTTGTGCTGATATAAAGGAAGTTCATTTTAA 20987

QY 241 ACAGTGCATAGATGCGGCAAAACGGGAACCGTCTGCTGCTTGGCCACTCTTCG 300
DB 20988 ACAGTGCATAGATGCGGCAAAACGGGAACCGTCTGCTGCTTGGCCACTCTTCG 21047

QY 301 AGCAAGCTCAACCCCAAACTCACATCCCTATCGAACGGACAGCATAGGCACTTGC 360
DB 21048 AGCAAGCTCAACCCCAAACTCACATCCCTATCGAACGGACAGCATAGGCACTTGC 21107

QY 361 TCTGTGTAACCTTGGAGTGGCTGCTGCTCAATTTGCCCTTAGCAGAGTTCAGCAGAT 420
DB 21108 TCTGTGTAACCTTGGAGTGGCTGCTGCTCAATTTGCCCTTAGCAGAGTTCAGCAGAT 21167

QY 421 GAGCATCGGCATCACACCCCGGCGCAACAGACACACCGCCACTCGATTTTTCGGCGCT 480
DB 21168 GAGCATCGGCATCACACCCCGGCGCAACAGACACACCGCCACTCGATTTTTCGGCGCT 21227

QY 481 AAGCGCAAGATCTCTCAACCAAAACAGTTTCGGGAGAGCAACATCTCAGCAAGCATCGA 540
DB 21228 AAGCGCAAGATCTCTCAACCAAAACAGTTTCGGGAGAGCAACATCTCAGCAAGCATCGA 21287

QY 541 CCGAGTGCATCTGTTTCGGCAGCGACACACAGAAAGACGTCAACTTCGGCAGCCCGA 600
DB 21288 CCGAGTGCATCTGTTTCGGCAGCGACACACAGAAAGACGTCAACTTCGGCAGCCCGA 21347

QY 601 CAGCAGCTCCAGAAATCCGAGACGCCAGCAAGCCCAACAGCAGCAGTCCCAACATCGC 660
DB 21348 CAGCAGCTCCAGAAATCCGAGACGCCAGCAAGCCCAACAGCAGCAGTCCCAACATCGC 21407

QY 661 TAAATTGATCAGTGCAATGATCATGTGTTGCTGCAATGCTCAACCACTCAATAA 720
DB 21408 TAAATTGATCAGTGCAATGATCATGTGTTGCTGCAATGCTCAACCACTCAATAA 21467

QY 721 GCAGGACCAATCAGNACAGCTGATAGCCAGGCTCTTTCAGAAACAAAGGGGCT 780
DB 21468 GCAGGACCAATCAGNACAGCTGATAGCCAGGCTCTTTCAGAAACAAAGGGGCT 21527

QY 781 CGGTACACCGTCCGCGATAGCGGGGCGGCTACACCGGATGCGACAGTGGCGGG 840
DB 21528 CGGTACACCGTCCGCGATAGCGGGGCGGCTACACCGGATGCGACAGTGGCGGG 21587

QY 841 CGGTGATCGCAAGCGCAACAGGCGGTGGCGGCTGATCTCCGACCGCAACAGGG 900
DB 21588 CGGTGATCGCAAGCGCAACAGGCGGTGGCGGCTGATCTCCGACCGCAACAGGG 21647

QY 901 TGGCGGCGAGGTGGCGGGCGCACCCACTGCACAGGTGGCGGCGGTGGCACACC 960

DB 21648 TGGCGGCGAGCGTGGCGGGCGCACCCACTGCACAGGTGGCGGCGGTGGCACACC 21707

QY 961 CACTGCAACAGGCGGTGGCGAGGTGGCGTAACACCGCAAACTCACTCCGAGTTGGCCAA 1020

DB 21708 CACTGCAACAGGCGGTGGCGAGGTGGCGTAACACCGCAAACTCACTCCGAGTTGGCCAA 21767

QY 1021 CCGTAACCGTACTCAGGTACTCGGTCTGGCTGCGGACACCGCAAGTTTACCGAGCAAC 1080

DB 21768 CCGTAACCGTACTCAGGTACTCGGTCTGGCTGCGGACACCGCAAGTTTACCGAGCAAC 21827

QY 1081 CGGCAAGATCAATGTGTGAAGACACCATCAAGTTCGCGGTGGCGGAGTCTTTGACCG 1140

DB 21828 CGGCAAGATCAATGTGTGAAGACACCATCAAGTTCGCGGTGGCGGAGTCTTTGACCG 21887

QY 1141 CCACGCGCAACCTTCTACTGCGCAAAATCTATGGGTAAACGAGACCGGCGGAAATCA 1200

DB 21888 CCACGCGCAACCTTCTACTGCGCAAAATCTATGGGTAAACGAGACCGGCGGAAATCA 21947

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DB 21948 GAAGCCATGTTGAGCTGGCTGAAGGCGCTACGTTGAAGATGTGAACCTTGGGTGAGAA 22007

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DB 22008 CGAGTTCGATGCTCCAGTGAAGCCAAACCGTCAAGGAGTCCACCATTCACACCGT 22067

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DB 22068 GCATGCCCAACGTCGCTGGAAGACCTGATTAACGCTCAAGGCGGAGGCGGCGGCT 22127

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DB 22128 GACTAATCTGAATCAAGAACAGCAGTGCCTCAAGGTCAGACGACAGAGTTCAGCT 22187

QY 1441 CAACGCGCAACCTCACTTGAATTCGAAATCGAACTTCAAGGCGGAGTTCGCGGCGGCT 1500

DB 22188 CAACGCGCAACCTCACTTGAATTCGAAATCGAACTTCAAGGCGGAGTTCGCGGCGGCT 22247

QY 1501 TCGCACCAACGCTGGTCAAGCAGTTCGATGACATGAGCATCGAGCTGAACGCGATCGAAGC 1560

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DB 22308 TAAACAGCGCAAGTTCGCTTCGTTGAAGGACAGTGCAGTCTGTAAGCTGGCAACCGG 22367

QY 1621 CAACATCCCATGACCGGCTCAACACGCTTACGATTAACCCAGGATCGACCCCA 1680

DB 22368 CAACATCCCATGACCGGCTCAACACGCTTACGATTAACCCAGGATCGACCCCA 22427

QY 1681 CACCGAGCTTTGAATCCAGACAAAGTAGCTTGAAGGAGGCGGTGGACTC 1729

DB 22428 CACCGAGCTTTGAATCCAGACAAAGTAGCTTGAAGGAGGCGGTGGACTC 22476

RESULT 9

US-09-835-684-6
Sequence 6, Application US/09835684
Patent No. US2002001937A1
GENERAL INFORMATION:
APPLICANT: Wei, Zhong-Min
APPLICANT: Qiu, Dewen
APPLICANT: Remick, Dean
TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR
TITLE OF INVENTION: DESICCATION
FILE REFERENCE: 21829/71
CURRENT APPLICATION NUMBER: US/09/835,684
CURRENT FILING DATE: 2001-04-16
PRIOR APPLICATION NUMBER: 60/198,359
PRIOR FILING DATE: 2000-04-19
NUMBER OF SEQ ID NOS: 12

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 1344
; TYPE: DNA
; ORGANISM: Erwinia amylovor
US-09-835-684-6

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	Query Match	9.0%; Score 155.2; DB 9; Length 1344;
	Best Local Similarity 57.1%; Pred. No. 3e-36;	
	Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;	
Qy	1079 GCGGCAGAGTCAATGTGTTGAAGAAGACACCATCAAGTCGCGCTGCAGAAAGTCTTTTGAC	1138
Db	745 GGGCTAATCAGACGGTGTCTGCATGACACCATTAACCGTGAAGCGGGTCAGGTGTTTCAT	804
Qy	1139 GGCCACGGCGAACCTTCACCTGCCGACAATACTATGGTAAACGAGACACGGCGCAAAT	1198
Db	805 GGCNAAGACMAACTTTCACCGCGGTTTCAGAAATTAGCGATGGCGCCAGTCTGAAAAC	864
Qy	1199 CAGAAGCCCATTGTTTCGAGCTGGCTGGAAGGCGCTACGTTGAAGAAATGTGAACTCTGGGTGAG	1258
Db	865 CAGAAACCGCTGTTTATCTTACCTGGAAGACGGTCCAGCGCTGAAAAACGTCACCATGGCGCAC	924
Qy	1259 AACGAGGTTCGATGTCATCCACGTCGAAGGCCAAAAACGCTCAGGAAGTCCACCATTTGACAAC	1318
Db	925 GACGGGGGNGATGTTATCTTTCACG-----GTGATGCCAAATAGACNAT	972
Qy	1319 GTGATGCCCAAGAACGTCGCTGGAAGACCTCGAATTCAGGTCAAGGGCGAGGAGGCGCAGCG	1378
Db	973 CTGCACGTCACCAACGGTGGGTGAGGACGCGATACCGGTTAAGCCAAACAGGCGCGGGCAAA	1032
Qy	1379 GTCACTAATCTGAAACATCAAGAACAGCAGATGCCAAAGGTGCAGACGACAAGGTTGTCCAG	1438
Db	1033 AAATCCCCAGTTGAAATCACTAAACAGTTCTTCGAGCACGCTCTGACAAGATCCTCGAC	1092
Qy	1439 CTCACGGCCAACACTCTACTTTGAAAATCGACAACCTTCAGGCGCGAGGATTTCCGACACGATG	1498
Db	1093 CTGAATGCCGATATCAACCTGAGCGTTGACAACGTTGAAGGCCAAGACCTTTTGTCATCTTTT	1152
Qy	1499 GTTCGCACCAACGGTGGCAACGAGTTTGATGACATGAGCATCGAGCTGAAACGGCATCGAA	1558
Db	1153 GTACGCATTAACGGCGGTCAACAG---GGTAACCTGGGATCTGAAATCTGAGCCATATCAGC	1209
Qy	1559 GCTTAACACGCGAGTTGCGCCTGGTGAAGAACGACAGTAGACATCTCAAGCTGGCACAG	1618
Db	1210 GCAGAAGCGGTAAAGTTCTCGTTGTTTAAAGCGGATACGAGGGGCTAAACGTCNAATACC	1259
Qy	1619 GGCAACATCGCCATGACCGACGTCAAAAACAGCCCTACGA	1656
Db	1270 AGTGATATCTCACTCGGGTGATGTTGAAAACCACTACAA	1307

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RESULT 10
US-09-880-371-6
; Sequence 6, Application US/09880371
; Patent No. US20020059658A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Darocher, Jay
; TITLE OF INVENTION: METHODS OF IMPROVING THE EFFECTIVENESS OF TRANSGENIC
; FILE REFERENCE: 21829/91
; CURRENT APPLICATION NUMBER: US/09/880,371
; CURRENT FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: 60/211,585
; PRIOR FILING DATE: 2000-06-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 6
; LENGTH: 1344
; TYPE: DNA
; ORGANISM: Erwinia amylovora
US-09-880-371-6

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Query Match	9.0%;	Score 155.2;	DB 9;	Length 1344;
Best Local Similarity	57.1%;	Pred. No. 3e-36;		
Matches 330;	Conservative	0;	Mismatches 233;	Indels 15; Gaps 2;
Qy	1079	GCCGGCAAGATCAATGTGGTGAAGACACCATCAAGGTCGGCGCTCGCGCAAGTCTTTGAC	1138	
Db	745	GGCGCTTAATCAGACGGTGTGCATGACACCATTTACGTTGNAAGCGGTCAAGTGTGTTGAT	804	
Qy	1139	GGCCACGGCGCAACCTTCACTGCTCCGCAAAATCTATGGGTAAACGGACACGAGCGCGCAAAAT	1198	
Db	805	GGCAAAAGGACAAACCTTCAACCGCGGTTCAAGATTAGGCGATGCGGCGCAAGTCTGAAAC	864	
Qy	1199	CAGAAGCCCATGTTCAAGCTGGCTGAAGCGCTACGTTGAAGNATGTGAACCTGGGTGAG	1258	
Db	865	CAGAAAACCGGTGTTTATCTGGAAGACGCTGCAGCTGAAAACGTTCACCATGGGCGAC	924	
Qy	1259	AACGAGTGCATGGCATCAACGTGAAAGGCCAAAACGCTCAGGAAGTTCACCATTTGACAAC	1318	
Db	925	GACGGGGCGATGGTATTCTTTACG-----GTGATGCCAAAATAGACAAT	972	
Qy	1319	GTGCATGCCAGAACCTCGGTGAAGACCTGATTACGGTCAAAAGCGGAGGAGCGGCAGCG	1378	
Db	973	CTGCACGTCAACCAACCTGGGTGAGGACGGCGATTACCGTTAAAGCCAAACAGCGCGGGCAAA	1032	
Qy	1379	GTCACTTAATCTGAACATCAAGAACACAGTGCACAAAGGTGCACACGACAGGTTGTCCAG	1438	
Db	1033	AAATCCCACTGGTGAATCACTAAACAGTTCCTTCGACACGCTCTGCACAAAGATCTTCGAC	1092	
Qy	1439	CTCAAGCCCAACACTCACATTGAAAATCGACAACTTCAAGGCCCAACGATTTTCGCACGATG	1498	
Db	1093	CTGNATGCCGATACTAACCTGAGCGTTGACAACTGAAGGCCCAAGACTTTTGGTACTTTT	1152	
Qy	1499	GTTTCGACCAACCGGTGGCAAGCAATTTGATGACATGAGCATTCGAGCTGAACGCGCATCGAA	1558	
Db	1153	GTACGCACTAACGGCGGTCAACAG--GGTAACCTGGGATCTGAACTCTGAGCCCATATCAGC	1209	
Qy	1559	GCTAAACACGGCAAGTTTCGCCCTTGGTGAAGGGACAGGTGACCATCTGAAGCTGGCAACG	1618	
Db	1210	GCAGAAGACGGTAAGTTCCTGTTCTGTTTAAAGGENTAGCGAGGGGCTTAAACGTCAATACC	1269	
Qy	1619	GGCAACATGCCATGACCGACGTCACAAACAGCGCTACGA	1656	
Db	1270	AGTGATATCTCACTGGGTGATGTTTGAAGAACCACTACAA	1307	

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RESULT 11
US-09-879-248-5
; Sequence 5, Application US/09879248
; Patent No. US20020062500A1
; GENERAL INFORMATION:
; APPLICANT: Fan, Hao
; APPLICANT: Wei, Zhong-Min
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITING DOMAINS AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 21829/81
; CURRENT APPLICATION NUMBER: US/09/879,248
; CURRENT FILING DATE: 2001-06-12
; PRIOR APPLICATION NUMBER: 60/212,211
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1344
; TYPE: DNA
; ORGANISM: Erwinia amylovora
US-09-879-248-5

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Query Match	9.0%;	Score 155.2;	DB 9;	Length 1344;
Best Local Similarity	57.1%;	Pred. No. 3e-36;		
Matches 330;	Conservative 0;	Mismatches 233;	Indels 15;	Gaps 2;
Qv	1079	GC GCGGCAAGATCAATGTGTGTAAGACACCATCAAGTCGCGCTCGCGAAGTCTTTTGAC	1138	

Db 745 GCGCTAATCAGACGGTGTGCTGATGACACCAATACCGTGAAAGCGGTGAGTTTGAT 804
Qy 1139 GGCCAGCGGCAACCTTCTACTGCGGCAAAATCTATGGGTAAACGGAGACCGAGGCGGAAAT 1198
Db 805 GGCAAGGACAAACCTTCAACCGCGGTTCAGAAATAGCGGATGCGCGCCAGTCTGAAAC 864
Qy 1199 CAGAAGCCCATGTTTCGAGCTGGCTGAAGCGGCTAGCTTGAAGATGTGAACCTGGGTGAG 1258
Db 865 CAGAAACCGGTGTTTATCTGGAAGACGGTGCAGCTGAAACACGTCAACATGGGCGAC 924
Qy 1259 AACGAGTGTGATGATCCACGTCGAAAGCCAAACACGTCAGGAAGTCAACATTCAGAAC 1318
Db 925 GACGGGCGGATGATTTCTTTACG-----GTGATGCCAAATAGACAAAT 972
Qy 1319 GTGCATGCCAGAACCTGCTGTAAGACCTGATTACGGTCAAAAGCGGAGGAGCGGACG 1378
Db 973 CTGCAGCTCACCACCTGCTGTAAGACCGGATTAACGTTAAGCCAAACAGCGGCGGCAAA 1032
Qy 1379 GTCACTAATCTGACATCAAGAACAGCAGTGCACAAAGTGCAGACAGAGTGTGTCAG 1438
Db 1033 AATCCACGTTGAAATCACTAACAGTTCCTTCGAGCACGCTCTGACAAAGATCCTGCAG 1092
Qy 1439 CTCAAGCCCAACACTCTACTTTGAAATCGACATTCGAAAGCGGACGATTTTCGACGATG 1498
Db 1093 CTGAATGCCGATCTACTACCTGAGCGTTCGTTAAAGCGGATAGCGGGCTTAACCGTCAATACC 1152
Qy 1499 GTTCGACCAACCGTGCAGAGCTTTGATGATGACATGAGCATCGAGCTGAACCGCATCGAA 1558
Db 1153 GTACGCACTAACCGCGGTCAACAG---GGTAACTGGGATCTGAATCTGAGCCATATCAGC 1209
Qy 1559 GCTAACCCAGCAAGTTCGCGCTGTAAGAGCGACAGTCAACATCTGAAGCTGGCAACG 1618
Db 1210 GCAGAAGACGGTAAAGTTCGTTTAAAGCGGATAGCGGGCTTAACCGTCAATACC 1269
Qy 1619 GCGCAACATCCCATGACCGACGTCACAAACAGCGCTACGA 1656
Db 1270 AGTGATATCTCACTGGGTGATGTTGAAACCACTACAA 1307

RESULT 12

US-10-010-390-6
; Sequence 6, Application US/10010390
; Publication No. US20030104979A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Leon, Ernesto
; APPLICANT: Oviedo, Agustín
; TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED
; FILE REFERENCE: 21829/111
; CURRENT APPLICATION NUMBER: US/10/010,390
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/248,169
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 1344
; TYPE: DNA
; ORGANISM: Erwinia amylovora
US-10-010-390-6

Query Match 9.0%; Score 155.2; DB 15; Length 1344;
Best Local Similarity 57.1%; Pred. No. 3e-36;
Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;
Qy 1079 GCGGCAAGATCAATGTGTTGTAAGACACCATCAAGTGGCGCTGGCGAAGTCTTTGAC 1138
Db 745 GCGCTAATCAGACGGTGTGCTGATGACACCAATACCGTGAAGCGGTCAGGTGTTGAT 804
Qy 1139 GGCCAGCGGCAACCTTCTACTGCGGCAAAATCTATGGGTAAACGGAGACCGAGGCGGAAAT 1198
Db 745 GCGCTAATCAGACGGTGTGCTGATGACACCAATACCGTGAAGCGGTCAGGTGTTGAT 804
Qy 1139 GGCCAGCGGCAACCTTCTACTGCGGCAAAATCTATGGGTAAACGGAGACCGAGGCGGAAAT 1198

Db 805 GGCAAGGACAAACCTTCAACCGCGGTTCAGAAATTAGCGCATGGCGGCCAGTCTGAAAC 864
Qy 1199 CAGAAGCCCATGTTTCGAGCTGGCTGAAGCGCTACGTGTAAGAAATGTGAACCTGGGTGAG 1258
Db 865 CAGAAACCGGTGTTTATCTGGAAGACGGTGCAGCTGAAACACGTCAACATGGGCGAC 924
Qy 1259 AACGAGTGTGATGATCCACGTCGAAAGCCAAACACGTCAGGAAGTCAACATTCAGAAC 1318
Db 925 GACGGGCGGATGATTTCTTTACG-----GTGATGCCAAATAGACAAAT 972
Qy 1319 GTGCATGCCAGAACCTGCTGTAAGACCTGATTACGGTCAAAAGCGGAGGAGCGGACG 1378
Db 973 CTGCAGCTCACCACCTGCTGTAAGACCGGATTAACGTTAAGCCAAACAGCGGCGGCAAA 1032
Qy 1379 GTCACTAATCTGACATCAAGAACAGCAGTGCACAAAGTGCAGACAGAGTGTGTCAG 1438
Db 1033 AATCCACGTTGAAATCACTAACAGTTCCTTCGAGCACGCTCTGACAAAGATCCTGCAG 1092
Qy 1439 CTCAAGCCCAACACTCTACTTTGAAATCGACATTCGAAAGCGGACGATTTTCGACGATG 1498
Db 1093 CTGAATGCCGATCTACTACCTGAGCGTTCGTTAAAGCGGATAGCGGGCTTAACCGTCAATACC 1152
Qy 1499 GTTCGACCAACCGTGCAGAGCTTTGATGATGACATGAGCATCGAGCTGAACCGCATCGAA 1558
Db 1153 GTACGCACTAACCGCGGTCAACAG---GGTAACTGGGATCTGAATCTGAGCCATATCAGC 1209
Qy 1559 GCTAACCCAGCAAGTTCGCGCTGTAAGAGCGACAGTCAACATCTGAAGCTGGCAACG 1618
Db 1210 GCAGAAGACGGTAAAGTTCGTTTAAAGCGGATAGCGGGCTTAACCGTCAATACC 1269
Qy 1619 GCGCAACATCCCATGACCGACGTCACAAACAGCGCTACGA 1656
Db 1270 AGTGATATCTCACTGGGTGATGTTGAAACCACTACAA 1307

RESULT 13

US-10-441-736-5
; Sequence 5, Application US/10441736
; Publication No. US20040016029A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Schading, Richard L.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
; FILE REFERENCE: 21829/203 (EBC-003)
; CURRENT APPLICATION NUMBER: US/10/441,736
; PRIOR FILING DATE: 2003-05-20
; PRIOR APPLICATION NUMBER: 60/107,243
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 09/431,614
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1344
; TYPE: DNA
; ORGANISM: Erwinia amylovora
US-10-441-736-5

Query Match 9.0%; Score 155.2; DB 17; Length 1344;
Best Local Similarity 57.1%; Pred. No. 3e-36;
Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;
Qy 1079 GCGGCAAGATCAATGTGTTGTAAGACACCATCAAGTGGCGCTGGCGAAGTCTTTGAC 1138
Db 745 GCGCTAATCAGACGGTGTGCTGATGACACCAATACCGTGAAGCGGTCAGGTGTTGAT 804
Qy 1139 GGCCAGCGGCAACCTTCTACTGCGGCAAAATCTATGGGTAAACGGAGACCGAGGCGGAAAT 1198
Db 805 GGCAAGGACAAACCTTCAACCGCGGTTCAGAAATTAGCGCATGGCGGCCAGTCTGAAAC 864
Qy 1199 CAGAAGCCCATGTTTCGAGCTGGCTGAAGCGCTACGTGTAAGAAATGTGAACCTGGGTGAG 1258

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 29, 2005, 19:22:19 ; Search time 311 Seconds
(without alignments)
9096.857 Million cell updates/sec

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Perfect score: 1729

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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

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Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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- 6: /cgm2_6/ptodata/1/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	155.2	9.0	1344	4	US-09-431-614-5
5	64.4	3.7	4403765	3	US-09-103-840A-2
6	64.4	3.7	4411529	3	US-09-103-840A-1
7	56.6	3.3	390	3	US-09-197-649-7
8	56.6	3.3	591	3	US-09-402-668-1
9	55.8	3.2	666	3	US-09-198-956-3
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11	54.4	3.1	538	3	US-09-056-556-180
12	54.2	3.1	538	3	US-09-072-596-175
13	54.2	3.1	538	3	US-09-072-596-175
14	54.2	3.1	538	4	US-09-072-967-182
15	53.8	3.1	4403765	3	US-09-103-840A-2
c	53.6	3.1	7218	1	US-08-232-463-14
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20	50.4	2.9	3783	4	US-09-902-540-4846
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22	50.2	2.9	3183	4	US-09-955-909-1
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24	49.8	2.9	6530	2	US-08-458-240-1
25	49.8	2.9	6530	5	PCT-US93-03993-1
26	49.8	2.9	6530	5	US-09-949-016-13839
27	49.6	2.9	7325	4	US-09-949-016-13839

28	47.6	2.8	969	4	US-09-902-540-6625	Sequence 625, Ap
29	47.6	2.8	2598	4	US-09-902-540-507	Sequence 507, App
30	47.4	2.7	5036	3	US-09-177-349-2	Sequence 2, Appli
31	47.4	2.7	5036	4	US-09-918-951-2	Sequence 2, Appli
32	47.2	2.7	1280	3	US-09-060-756-4	Sequence 4, Appli
33	47.2	2.7	1280	4	US-09-670-314-4	Sequence 4, Appli
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35	47	2.7	1028	3	US-08-458-745-1	Sequence 1, Appli
36	46.6	2.7	407	3	US-09-056-556-173	Sequence 173, App
37	46.6	2.7	407	3	US-09-072-596-168	Sequence 168, App
38	46.6	2.7	407	4	US-09-072-967-173	Sequence 173, App
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43	45.8	2.6	1548	3	US-09-320-774-5	Sequence 5, Appli
44	45.8	2.6	1581	2	US-08-762-106-6	Sequence 6, Appli
45	45.8	2.6	1581	3	US-09-320-774-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-09-120-817-1
; Sequence 1, Application US/09120817
; Patent No. 6172184
; GENERAL INFORMATION:
; APPLICANT: Collmer, Alan
; APPLICANT: Charkowski, Amy
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM
; TITLE OF INVENTION: PSEUDOMONAS SYRINGAE AND ITS USE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
; STREET: P.O. Box 1051, Clinton Square
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/120,817
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/055,107
; FILING DATE: 06-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE/DOCKET NUMBER: 19603/1741
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716) 263-1304
; TELEFAX: (716) 263-1600
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1729 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-120-817-1

Query Match 100.0%; Score 1729; DB 3; Length 1729;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1729; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

aligns to
pattern

REFERENCE/DOCKET NUMBER: 19603/1581
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1344 base pairs
TYPE: nucleic acid
STRADEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-120-927-1

Query Match 9.0%; Score 155.2; DB 3; Length 1344;
Best Local Similarity 57.1%; Pred. No. 2.5e-30;
Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;

Qy 1079 GCGGCAAGATCAATGTGGTGAAGACACCATCAAGTTCGGCGCTGGCGAAGTCTTTGAC 1138
Db 745 GCGCTAATCAGACGGTGTCTGCATGACACCATTAACCGTGAAGCGGGTCAAGTGTGAT 804
Qy 1139 GGCACCGCGCAACCTTCACTGCCGCAAAATCTATGGTGAACGAGACACAGGGCGAAAT 1198
Db 805 GCAAGAGCAAACTTCAACCGCGGTTCAGATTAGCGATGGCGCCAGTCTGAAAC 864
Qy 1199 CAGAACCCCATGTTGAGTGGCTGAAGCGGTACGTTGAAGATGTGAACCTGGGTGAG 1258
Db 865 CAGAACCGCTGTTATATCTGGAAGACGGTGCACGCTGAAAAACGTCACCATGGCGAC 924
Qy 1259 AACGAGTGCATGCGATCCAGCGTGAAGCCAAACCGTCAGGAAGTCACCATGACAC 1318
Db 925 GACGGGCGGATGGTATTCATCTTTACG-----GTGATGCCAAATAGACAAT 972
Qy 1319 GTGCATGCCAGAACCGTGGTGAAGACCTGATTACGGTCAAGGCGGAGGCGCAGCG 1378
Db 973 CTGACGTCACCAACCGTGGGTGAGGACGCGATTACCGTTAAGCCAAACAGCGCGGCAA 1032
Qy 1379 GTCACTAATCTGAACATCAAGACAGCAGTGCCTGCAAGGTCGACGACGAGGTTGTCAG 1438
Db 1033 AAATCCACGTTGAAATCACTAACAGTTCCTTCGACGACGCTCTCAAGATCCTGCGAG 1092
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Qy 1499 GTTCGACCAACCGTGGCAAGCAGTTTGTGATGACATGACATCGAGCTGAACGGCATCGAA 1558
Db 1153 GTACGCACTAACGCGGTCAACAG---GGTAACTGGGATCTGAATCTGAGCCATATCAGC 1209
Qy 1559 GCTAACCAAGGCAAGTTCGCGCTGCTGTAAGGACGACGATGACGATCTGAAGCTGCAACG 1618
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Qy 1619 GGCACATCGCATGACGCGCTCAAAACAGCGCTACGA 1656
Db 1270 AGTGATATCTCACTGGGTGATGTTGAAACCACTACAA 1307

RESULT 5
US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:

REFERENCE/DOCKET NUMBER: 19603/1581
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1344 base pairs
TYPE: nucleic acid
STRADEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-120-927-1

Query Match 9.0%; Score 155.2; DB 3; Length 1344;
Best Local Similarity 57.1%; Pred. No. 2.5e-30;
Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;

Qy 1079 GCGGCAAGATCAATGTGGTGAAGACACCATCAAGTTCGGCGCTGGCGAAGTCTTTGAC 1138
Db 745 GCGCTAATCAGACGGTGTCTGCATGACACCATTAACCGTGAAGCGGGTCAAGTGTGAT 804
Qy 1139 GGCACCGCGCAACCTTCACTGCCGCAAAATCTATGGTGAACGAGACACAGGGCGAAAT 1198
Db 805 GCAAGAGCAAACTTCAACCGCGGTTCAGATTAGCGATGGCGCCAGTCTGAAAC 864
Qy 1199 CAGAACCCCATGTTGAGTGGCTGAAGCGGTACGTTGAAGATGTGAACCTGGGTGAG 1258
Db 865 CAGAACCGCTGTTATATCTGGAAGACGGTGCACGCTGAAAAACGTCACCATGGCGAC 924
Qy 1259 AACGAGTGCATGCGATCCAGCGTGAAGCCAAACCGTCAGGAAGTCACCATGACAC 1318
Db 925 GACGGGCGGATGGTATTCATCTTTACG-----GTGATGCCAAATAGACAAT 972
Qy 1319 GTGCATGCCAGAACCGTGGTGAAGACCTGATTACGGTCAAGGCGGAGGCGCAGCG 1378
Db 973 CTGACGTCACCAACCGTGGGTGAGGACGCGATTACCGTTAAGCCAAACAGCGCGGCAA 1032
Qy 1379 GTCACTAATCTGAACATCAAGACAGCAGTGCCTGCAAGGTCGACGACGAGGTTGTCAG 1438
Db 1033 AAATCCACGTTGAAATCACTAACAGTTCCTTCGACGACGCTCTCAAGATCCTGCGAG 1092
Qy 1439 CTCACGCCAACACTCACTTGAATAATCGAACCTTCAAGGCGGACGATTCGCGACGATG 1498
Db 1093 CTGAATGCCGATCTAACCTGAGGTTGACAACTGAAGGCCAAAGACTTTGGTACTTTT 1152
Qy 1499 GTTCGACCAACCGTGGCAAGCAGTTTGTGATGACATGACATCGAGCTGAACGGCATCGAA 1558
Db 1153 GTACGCACTAACGCGGTCAACAG---GGTAACTGGGATCTGAATCTGAGCCATATCAGC 1209
Qy 1559 GCTAACCAAGGCAAGTTCGCGCTGCTGTAAGGACGACGATGACGATCTGAAGCTGCAACG 1618
Db 1210 GCAGAGACGGTAAAGTTCGTTCTGTTTAAAGCGATAGCGAGGGGCTAAACGTCATACC 1269
Qy 1619 GGCACATCGCATGACGCGCTCAAAACAGCGCTACGA 1656
Db 1270 AGTGATATCTCACTGGGTGATGTTGAAACCACTACAA 1307

RESULT 4
US-09-431-614-5
Sequence 5, Application US/09431614
Patent No. 6624139
GENERAL INFORMATION:
APPLICANT: Wei, Zhong-Min
APPLICANT: Schading, Richard L.
TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
FILE REFERENCE: 21829/41 (EBC-003)
CURRENT APPLICATION NUMBER: US/09/431,614
CURRENT FILING DATE: 1999-11-02
EARLIER APPLICATION NUMBER: 60/107,243
NUMBER OF SEQ ID NOS: 18

APPLICANT: Schnorr, Kirk
TITLE OF INVENTION: Protein Degrading Enzymes From Bacillus
TITLE OF INVENTION: Licheniformis
FILE REFERENCE: 5377.200-US
CURRENT APPLICATION NUMBER: US/09/670.141
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: 09/198,956
PRIOR FILING DATE: 1998-11-24
PRIOR APPLICATION NUMBER: 1344/97
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/067,240
PRIOR FILING DATE: 1997-12-02
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 666
TYPE: DNA
ORGANISM: Bacillus licheniformis
US-09-670-141-3

Query Match 3.2%; Score 55.8; DB 3; Length 666;
Best Local Similarity 52.6%; Pred. No. 0.00014;
Matches 154; Conservative 0; Mismatches 127; Indels 12; Gaps 1;

QY 1090 CAATGTGTGAAGACACACCAATCAAGTCCGCGCTGGCGAAGTCTTTGACGCGCCACGCGC 1149
DB 87 CGAGTGCTTCAAAAACGATCGTAGTCGAGAAAGGCCAAACGATGACGGAAGGCAA 146

QY 1150 AACCTTCACCTGCCGACAAATCATGGGTAAACGAGACGAGCGCGGCGGAAATCAGAAAGCCAT 1209
DB 147 GCGGCTGATTCAGGTCGCGAGCTCGGGAGCGGAGCGGAGGATCAAAACCGAT 206

QY 1210 GTTCGAGCTGCTGAAGCGCTGCTGTTGAAGATGTGAACCTGGGTGAGAACGAGGTGCA 1269
DB 207 TTTCAAAAGTGAGGATGTGCAACGCTCAAAATGTCTGCTTGGCGCTCTCTGTGCTGA 266

QY 1270 TGGCATCCAGTGAAGCCAAACGCTCAGGAGTCAACCATGACAAACGTCGATGCCCA 1329
DB 267 TGGTGTTCACATATGGAAC-----GCTTCCATAAACAAACGTTGTTGGGA 314

QY 1330 GAACGTCGCTGAAGACCTGATTACGCTCAAGGCGAGGAGCGGCGAGCGGTCA 1382
DB 315 AGATGTCGCGAAGATGCTTGAAGTCAAGGCGAGGAGGAGTGTACAGTAA 367

RESULT 11
US-09-103-840A-1/c
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 3.1%; Score 54.4; DB 3; Length 4411529;
Best Local Similarity 42.9%; Pred. No. 0.014;
Matches 396; Conservative 0; Mismatches 516; Indels 12; Gaps 2;

QY 772 CGCGCGGCTCGGTACACCGTCCGCCGATAGCGGGGCGGGTACACCGGATCGACAGG 831

Db 1191640 CGCGGAGCGCGGCCAAACGCGCGCGCGCGCAACCGCGCGTCTCTACGCAACGG 1191581
QY 832 TGGCGCGCGCGGTGATACGCAAGCGCAACGAGCGGTGGCGCGGTGATCTCCGACCGC 891
Db 1191580 CGGCAATGGCG 1191521
QY 892 AACAGCGGTGGCG 951
Db 1191520 GGGTGGTGGCG 1191461
QY 952 TGGCACACCCACTGCAACAGCGGTGGCGCGGTGGCGCGGTGGCGCGGTGGCGCGGTGG 1011
Db 1191460 TGGCGGCGGAGCG 1191401
QY 1012 GTTGGCCAA-----CCCTAACCGTACTCTCAGGTACTTGGCTGGTGTGCGACACCGCAGG 1065
Db 1191400 GTCCGCAACG 1191341
QY 1066 TTCTACGAGCAAGCGCGCAAGATCAATGTGTGAAAGACACCATCAAGTTCGCGCTGG 1125
Db 1191340 CAACGCGCGGTGACGCGCGGTGGCTGTGCGGCAACGCGCGCGCGCGCGCGCGCG 1191281
QY 1126 CGAAGTCTTTGACG 1185
Db 1191280 CG 1191221
QY 1186 CAGGCGCGGAAATCAGAACCCATGTTCCAGCTGGCTGAAAGCGCTACGTTGAAGATGT 1245
Db 1191220 CCAGGCG 1191161
QY 1246 G-----AACTGGGTGAGAAAGAGTGCATGCCATCCAGTGAAGCGCGCGCGCGCG 1299
Db 1191160 GTTCCG 1191101
QY 1300 GBAAGTCAACATGACAAAGTGCATGCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1359
Db 1191100 TGGCGCGCGCTTCCG 1191041
QY 1360 AGCGGAGGAGCG 1419
Db 1191040 CGCGCGTAGCG 1190981
QY 1420 AGACGACAAAGTTGTCAGCTCAACGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1479
Db 1190980 CGACG 1190921
QY 1480 CGACGATTTCCG 1539
Db 1190920 TGGCG 1190861
QY 1540 CGAGCTGAACG 1599
Db 1190860 CGGTGCG 1190801
QY 1600 CGATTTGAAGTGGCG 1659
Db 1190800 TAGTCCG 1190741
QY 1660 AACCAGGCG 1683
Db 1190740 ATCCGCGTGTGACG 1190717

RESULT 12
US-09-056-556-180.
Sequence 180, Application US/09056556
Patent No. 6350456
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND

NUMBER OF SEQUENCES: 241
CORRESPONDENCE ADDRESS:
APPLICANT: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/056,556
FILING DATE: 07-APR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.457
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 180:
SEQUENCE CHARACTERISTICS:
LENGTH: 538 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-056-556-180

Query Match 3.1%; Score 54.2; DB 3; Length 538;
Best Local Similarity 48.8%; Pred. No. 0.00032;
Matches 177; Conservative 0; Mismatches 183; Indels 3; Gaps 1;
QY 794 GCCGATAGCGGGCGGGTACACCGGATGCGACAGGTGGCGGGCGGGTGTATACGCCA 853
DB 80 GCGCGGACGGCGGCGCAACCGCGGCAACCGCGCATGGCGGCAACAGCGGCACCGCGCAGC 139
QY 854 AGCGCAACAGGCGGTGGCGGGTGTATCTCCGACCGCAACAGGCGGTGGCGGCGAGCGGT 913
DB 140 GCGGACGGCGGTGGCGGGGAAACCGCGCGCATGGCGGCAACAGCGGCACCGCGCAGC 199
QY 914 GCGGCGGCGCACACCCACTGCAACAGGTGGCGGCGAGCGGTGGCGCACCCACTGCAACAGG- 972
DB 200 GCGGCGCTACCGGTACTGGCGGCACCGCGGCGAGGGTGGCACCGGGCGGTGACGCGGT 259
QY 973 --CGGTGGCGAGGTGGCGGTAAACCGCAATCTCTCGGAGTTGGCGCAACCTTAACCGT 1030
DB 260 AACCGGCGCAACGGGACAGATAAACACCGCAACATGACTGCGCAGCGGGCGGTGACCGT 319
QY 1031 ACCTCAGGTACTGGCTCGGTGTCGGACACCGCAGGTCTTACCGAGCAAGCGCGCAAGATC 1090
DB 320 GCGCAACGGCGGCGACGGTGGCTTCGGCGCGGGCGGGCGCGGGCGGTGGCTTGAC 379
QY 1091 AATGTGGTGAAGACACCATCAAGGTTCGGCGGTGGCGAAGTCTTTGACGGCGCACCGCGCA 1150
DB 380 GCTGGCGCCACCGGACCGCGGCAAGCGCGCGCGCGGCGGCGGATGGCGGCAACCGGGCC 439
QY 1151 ACC 1153
DB 440 ATC 442

RESULT 13

US-09-072-596-175
Sequence 175, Application US/09072596
Patent No. 6458366
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.

APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF TUBERCULOSIS
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 175:
SEQUENCE CHARACTERISTICS:
LENGTH: 538 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-072-596-175

Query Match 3.1%; Score 54.2; DB 3; Length 538;
Best Local Similarity 48.8%; Pred. No. 0.00032;
Matches 177; Conservative 0; Mismatches 183; Indels 3; Gaps 1;
QY 794 GCCGATAGCGGGCGGGTACACCGGATGCGACAGGTGGCGGGCGGGTGTATACGCCA 853
DB 80 GCGCGGACGGCGGCGCAACCGCGGCAACCGCGCATGGCGGCAACAGCGGCACCGCGCAGC 139
QY 854 AGCGCAACAGGCGGTGGCGGGTGTATCTCCGACCGCAACAGGCGGTGGCGGCGAGCGGT 913
DB 140 GCGGACGGCGGTGGCGGGGAAACCGCGCGCATGGCGGCAACAGCGGCACCGCGCAGC 199
QY 914 GCGGCGGCGCACACCCACTGCAACAGGTGGCGGCGAGCGGTGGCGCACCCACTGCAACAGG- 972
DB 200 GCGGCGCTACCGGTACTGGCGGCACCGCGGCGAGGGTGGCACCGGGCGGTGACGCGGT 259
QY 973 --CGGTGGCGAGGTGGCGGTAAACCGCAATCTCTCGGAGTTGGCGCAACCTTAACCGT 1030
DB 260 AACCGGCGCAACGGGACAGATAAACACCGCAACATGACTGCGCAGCGGGCGGTGACCGT 319
QY 1031 ACCTCAGGTACTGGCTCGGTGTCGGACACCGCAGGTCTTACCGAGCAAGCGCGCAAGATC 1090
DB 320 GCGCAACGGCGGCGACGGTGGCTTCGGCGCGGGCGGGCGCGGGCGGTGGCTTGAC 379
QY 1091 AATGTGGTGAAGACACCATCAAGGTTCGGCGGTGGCGAAGTCTTTGACGGCGCACCGCGCA 1150
DB 380 GCTGGCGCCACCGGACCGCGGCAAGCGCGCGCGCGGCGGCGGATGGCGGCAACCGGGCC 439
QY 1151 ACC 1153
DB 440 ATC 442

RESULT 14

US-09-072-967-180

; Sequence 180, Application US/09072967
; Patent No. 8592877
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Houghton, Raymond
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Twardzik, Daniel R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Hendrickson, Ronald C.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
; NUMBER OF SEQUENCES: 355
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/072,967
; FILING DATE: 05-MAY-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.411C9
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 180:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 538 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

US-09-072-967-180

Query Match 3.1%; Score 54.2; DB 4; Length 538;
Best Local Similarity 48.8%; Pred. No. 0.00032;
Matches 177; Conservative 0; Mismatches 183; Indels 3; Gaps 1;
QY 794 GCCGATAGCGGGGCGCGGTACACCGGATGCGACAGGTGGCGGCGCGGTGATACGCCA 853
DB 80 GCGCGGAGCGCGGCAACGCGGCAACCGCGGATGCGGCGCAACAGCGGACCGCGCAGC 139
QY 854 AGCGCAACAGGCGGTGGCGCGGTGATCTCCGACCGCACAGGCGGTGGCGGCGCGGT 913
DB 140 GCGGACGCGGTGGCGGCGGAAACGCGGCGCGGCGGCAACGCGGCGGCGCGCGCGAC 199
QY 914 GCGCGGCGGACACCCACTGCAACAGGTGGCGGCGGCGGTGGCACACCCACTGCAACAGG- 972
DB 200 GCGGCGCTCACCGGTACTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGT 259
QY 973 --CGGTGGCGAGGTGGCGGTAAACACCGCAAAATCACTCCGCGAGTTGGCCCAACCCCTAACCGT 1030
DB 260 AACCGCGGCAACGCGGACAGATAACACCGCAAAATCACTGCGCGAGCGCGGCGGTGACGCT 319
QY 1031 ACCTCAGGTACTGGCTCGGTGTCGACACGCGGAGGTCTTACGAGGCAACCGCGGAGATC 1090
DB 320 GCGAAGCGGCGGCGGCGGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 379
QY 1091 AATGTGGTGAAGACACCACTCAAGGTTCGCGGCGGTGGCGAAAGTCTTTTACGCGGCGCA 1150

DB 380 GCTGGCGCCAAACGGCACCGCGGGCAAGGCGGCGCGCGGCGATGGCGGCAACGGGGCC 439
QY 1151 ACC 1153
DB 440 ATC 442

RESULT 15

US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 3.1%; Score 53.8; DB 3; Length 4403765;
Best Local Similarity 42.8%; Pred. No. 0.019;
Matches 393; Conservative 0; Mismatches 517; Indels 9; Gaps 2;
QY 771 ACGGCGGCTCGGTACACCGTCCGCGGATAGCGGGGCGCGGTACACCGGATGCGACAG 830
DB 1191658 AAGGCGGCGCGCGCATCGCGGCGCGCGCGGCGGCGGCGGCGGCGGCGGCG 1191599
QY 831 GTGGCGGCGCGGTGATACGCCAAGCGCAACAGGCGGTGCGCGCGGTGATCTCCGACCG 890
DB 1191598 GGGCGGCGGTCCCGCGGCTGGATCCAGGCGCACGCGCGGTGCGCGGCGGCGG 1191539
QY 891 CAACAGGCGGTGGCGGCGAGCGGTGGCGGCGCACACCCACTGCAACAGGTGGCGGCG 950
DB 1191538 CCGGCGGTGAGGCGGCGGAGCGCGTCCAGGCGGAGCGCGGCGGCGGCGGCG 1191479
QY 951 GTGGCACACCCACTGCAACAGCGCGGTGGCGGAGGTGGCGGTAAACCGCAAAATCACTCCG 1010
DB 1191478 GAGCGGCGGCGCGCGCGCGCGCGGTGGCGGCGGCGGTGCGCGGCGGTGGCTG 1191419
QY 1011 AGTTGCGCAACCTTAACCGTACTCTCAGGTACTGGCTCGGTGTCGGACACCGCGAG 1070
DB 1191418 ACGGCGGCGACGC-----CGGACCGCGGCGGCGGCGGCGGCGGCGGCGG 1191362
QY 1071 CCGAGCAAGCGGCGCAAGATCAATGTGTGAAGAAGACACCATCAAGGTTCGGCGCTGGCGAAG 1130
DB 1191361 GCGGCTGAGCGGTGGCTGTCGGGCAACGCGGCGGCGGCGGCGGCGGCGGCGGCG 1191302
QY 1131 TCTTTGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1190
DB 1191301 GCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1191242
QY 1191 GCGAAATCAGAAAGCCCATGTTTCGAGCTGGTGAAGGCGGTACGTTGAAGATGTG- 1246
DB 1191241 GCGGAGACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1191182
QY 1247 --AAGCTGGGTGAGAAACAGGTCGATGGCATCCAGTGAAGGCGGCGGCGGCGGCGG 1304
DB 1191181 GCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1191122

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QY 1305 TCACATTGACAAACGTGATGTCCTCAGAACGTCGTGTAAGACCTGATTACGGTCAAAGCG 1364
Db 1191121 GCGGCTTCGGCGCGGCACCGCGGCAACCGTGGCAACGGCCACGCGGCGGTGCCGCG 1191062
QY 1365 AGGAGGCGCAGCGGTCACTAATCTGAACATCAAGNACAGCAGTGCCTAAAGGTGCAGACG 1424
Db 1191061 GTAGCGGCGGCACCGCGGCTGCTCGGCAGCGGAGGACGCGCGCACCGCGCGGACG 1191002
QY 1425 ACAAGTTTGTCCAGCTCAACGCAACACTCACTTGAAATCGACAACTTCAAGGCCGACG 1484
Db 1191001 GCGGCAACGGCGGTCTTGGCGCGCGGCAGCGCGGCCCAAGGCAACGCGGCAACGGTGGCG 1190942
QY 1485 ATTCGCGACGATGTTGCGCACCAACGGTGGCAAGCAGTTTGATGACATGACATCGAGC 1544
Db 1190941 ACGGCGGCAAGGCGCGCGACGCCAGTTGATCGGTAACGGCGGTAAACGGCGCAACGGTG 1190882
QY 1545 TGAACGGCATCGAAGCTAACCCAGCTTCGCTCGCTGTAAGCGACAGTGACGATC 1604
Db 1190881 GCAAAGCGGCAACCGGCTGATGCCGGGATCAACGGCACTGGAGCGCGCGGTAGTC 1190822
QY 1605 TGAAGCTGGCAACGGGCAACATCGCCATGACCGACGTCAAACAACGCTTACGATAAAACC 1664
Db 1190821 GCGGCAGATCTCCGCAACCCCGCACGCCCGGCAATAAACCCGACGGCCAGATCCG 1190762
QY 1665 AGGCATCGACCCCAACAC 1683
Db 1190761 GTGTACGACGATATCACAC 1190743

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Search completed: July 29, 2005, 21:38:52
Job time : 324 secs